

	405545		Target Exon	1.55	2.64	
	435299	A1745468	Hs.343026	ESTs, Weakly similar to T20593 hypotheli	1.55	3.81
	422060	R20893	Hs.325823	ESTs, Moderately similar to ALU5_HUMAN A	1.54	2.14
5	424243	A1949359	Hs.143600	ESTs, Highly similar to cis Golgi-locall	1.53	2.62
	457500	NM_002759	Hs.274382	protein kinase, interferon-inducible dou	1.53	2.04
	424541	AW392551	Hs.180559	ESTs, Weakly similar to A56194 thromboxa	1.53	2.00
	439039	A1656707	Hs.48713	ESTs	1.53	2.38
	449523	NM_000579	Hs.54443	chemokine (C-C motif) receptor 5	1.52	2.65
10	457718	F18572	Hs.22978	ESTs, Weakly similar to ALU4_HUMAN ALU S	1.52	2.06
	415198	AW009480	Hs.943	natural killer cell transcript 4	1.52	1.40
	431594	A1623999		ESTs	1.52	2.12
	432656	NM_000246	Hs.3076	MHC class II transactivator	1.52	2.20
	422426	W79117	Hs.58559	ESTs	1.52	2.22
15	414372	AA143654		gb:2065a02.r1 Stratiagena pancreas (93720	1.51	2.80
	427247	AW504221	Hs.174103	Integrin, alpha L (antigen CD11A (p180),	1.50	1.67
	433043	W57554	Hs.125019	lymphoid nuclear protein (LAF-4) mRNA	1.49	3.12
	406621	X57809	Hs.8997	immunoglobulin lambda locus	1.49	1.78
	419166	AA234638	Hs.293584	ESTs	1.49	2.10
20	418323	NM_002118	Hs.1162	major histocompatibility complex, class	1.49	1.47
	435304	H10709	Hs.269524	ESTs	1.48	2.96
	452834	A1638627	Hs.105685	KIAA1688 protein	1.48	2.14
	446616	R65964	Hs.334873	ESTs, Weakly similar to ALU8_HUMAN ALU S	1.48	1.38
	429272	W25140	Hs.110667	ESTs	1.48	3.19
25	428379	X06026	Hs.2259	CD3G antigen, gamma polypeptide (TIT3 co	1.48	1.66
	433231	AB040926	Hs.143552	KIAA1493 protein	1.47	2.16
	408847	AW290997	Hs.30348	ESTs	1.46	2.08
	405441			Target Exon	1.46	2.99
	443378	AW392550	Hs.9280	proteasome (prosome, macropain) subunit,	1.45	1.56
30	459644	AW197203		gb:xm38b01.x1 NCL CGAP_G06 Homo sapiens	1.45	2.44
	431433	X65018	Hs.253495	surfactant, pulmonary-associated protein	1.45	1.70
	422934	BE244189	Hs.122492	hypothetical protein	1.44	1.27
	409799	D11928	Hs.76845	phosphoserine phosphatase-like	1.44	3.46
	406698	X03068	Hs.73931	major histocompatibility complex, class	1.44	1.71
35	421407	T82331	Hs.182276	ESTs, Weakly similar to CGHUGC collagen	1.43	1.58
	413420	AW410235	Hs.75348	proteasome (prosome, macropain) activato	1.43	1.25
	400269			Eos Control	1.43	2.02
	420973	AA743415	Hs.291368	ESTs	1.42	2.06
	442104	L20971	Hs.188	phosphodiesterase 4B, cAMP-specific (dm	1.42	2.20
40	430015	AW768399		ESTs	1.41	2.06
	427648	A1376722	Hs.180082	proteasome (prosome, macropain) subunit,	1.41	1.31
	418870	AF147204	Hs.89414	chemokine (C-X-C motif), receptor 4 (fus	1.40	1.72
	437479	R61866	Hs.101277	ESTs	1.40	2.52
	425345	ALU077207	Hs.156894	protein tyrosine phosphatase, non-recept	1.40	2.17
45	416030	H15261	Hs.21948	ESTs	1.40	2.62
	419886	AA251562	Hs.146168	ESTs, Weakly similar to AF118023 1 SH3 d	1.40	1.68
	443951	F13272		feritin, light polypeptide	1.40	1.64
	414875	H42679	Hs.77522	major histocompatibility complex, class	1.40	1.42
	412471	M63193	Hs.73946	endothelial cell growth factor 1 (platelet	1.40	1.34
50	428782	X12830	Hs.193400	Interleukin 8 receptor	1.40	2.30
	400680			NM_014207:Homo sapiens CD5 antigen (p56-	1.39	1.93
	428289	M26301	Hs.2253	complement component 2	1.39	1.39
	441410	AA832689	Hs.233304	ESTs, Weakly similar to I38022 hypotheli	1.39	1.42
55	406845	M57466	Hs.814	major histocompatibility complex, class	1.39	1.45
	441379	AW175787	Hs.334841	selenium binding protein 1	1.38	1.32
	416636	N32536	Hs.42646	solute carrier family 16 (monocarboxylic	1.38	2.04
	418707	U97502	Hs.87497	butyrophilin, subfamily 3, member A2	1.38	1.35
	423526	AB011086	Hs.129739	KIAA0514 gene product	1.37	1.41
	424168	L29277	Hs.321677	signal transducer and activator of trans	1.37	1.33
60	431723	AW058350	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	1.37	1.74
	426437	BE078537	Hs.169695	ubiquitin-conjugating enzyme E2L 6	1.35	1.38
	446566	H95741	Hs.17914	membrane-spanning 4-domains, subfamily A	1.35	1.54
	452353	C18825	Hs.29191	epithelial membrane protein 2	1.34	1.47
	448406	AW772298	Hs.21103	Homo sapiens mRNA; cDNA DKFZp564B076 (fr	1.31	1.77
65	435106	AA100847	Hs.5978	ESTs, Highly similar to AF174600 1 F-box	1.31	1.53
	444633	AF111713	Hs.286218	junctional adhesion molecule 1	1.30	1.37
	430968	AF128847	Hs.204038	Indolethylamine N-methyltransferase	1.29	1.49
	419092	J05581	Hs.89603	mucin 1, transmembrane	1.28	1.36
	451864	N20370	Hs.69547	ESTs	1.28	1.42
70	421140	AA298741	Hs.102136	signal sequence receptor, delta (translo	1.28	1.31
	412790	NM_014767	Hs.74583	KIAA0275 gene product	1.28	1.63
	446272	BE268912	Hs.14801	hematopoietic cell-specific Lyn substrat	1.28	1.38
	422530	AW972300	Hs.118110	bone marrow stromal cell antigen 2	1.28	1.36
	435822	T95594	Hs.187435	ESTs	1.27	1.82
75	455863	AA907305	Hs.36475	ESTs	1.27	1.36
	404277			NM_019111*:Homo sapiens major histocompa	1.27	1.52
	413497	BE177661		gb:RC1-HT0598-020300-011-h02 HT0598 Homo	1.27	1.54
	441835	AB036432	Hs.184	advanced glycosylation end product-speci	1.27	1.53
	418371	M13660	Hs.84298	CD74 antigen (invariant polypeptide of m	1.26	1.27
	434747	AA837085		ESTs	1.26	1.60
80	425320	U29344	Hs.83190	fatty acid synthase	1.25	1.35
	452363	A1582743	Hs.94953	Homo sapiens, Similar to complement comp	1.25	1.41
	434844	H98071	Hs.4055	chromosome 21 open reading frame 50	1.25	1.30
	404854			Target Exon	1.25	1.57

5	406973	M34996	Hs.198253	major histocompatibility complex, class	1.25	1.57	
	421071	A1311238	Hs.104476	ESTs, Weakly similar to CGHUIE collagen	1.24	1.26	
	431779	AW971178	Hs.268571	apolipoprotein C-I	1.24	1.39	
	416047	BE439894	Hs.78991	DNA segment, numerous copies, expressed	1.23	2.08	
	406825	AW516005	Hs.84298	CD74 antigen (invariant polypeptide of m	1.23	1.20	
10	426836	N41720	Hs.172684	vesicle-associated membrane protein B (a	1.22	1.24	
	415861	AFD57307	Hs.78575	prosaposin (variant Gaucher disease and	1.22	1.16	
	406824	AW515961	Hs.84298	CD74 antigen (invariant polypeptide of m	1.22	1.17	
	420679	X57152	Hs.99853	fibrillarin	1.22	1.30	
	443071	AL080021	Hs.8986	complement component 1, q subcomponent,	1.22	1.58	
15	418090	U57059	Hs.83429	tumor necrosis factor (ligand) superfami	1.21	1.33	
	430250	NM_016929	Hs.283021	chloride intracellular channel 5	1.21	1.60	
	406825	A1982529	Hs.84298	CD74 antigen (invariant polypeptide of m	1.20	1.20	
	436906	H95990	Hs.181244	major histocompatibility complex, class	1.19	1.27	
	422241	Y00052	Hs.170121	protein tyrosine phosphatase, receptor 1	1.19	1.82	
20	408279	AF216865	Hs.44095	Homo sapiens, clone MGC:12617, mRNA, com	1.18	1.25	
	411372	A1147881	Hs.213289	low density lipoprotein receptor (famili	1.17	1.33	
	444342	NM_014398	Hs.10887	similar to lysosome-associated membrane	1.16	1.49	
	406906	Z25424		gb:H.sapiens protein-serine/threonine ki	1.16	1.15	
	451558	NM_001089	Hs.26630	ATP-binding cassette, sub-family A (ABC1	1.16	1.38	
25	432805	X94630	Hs.3107	CD97 antigen	1.16	1.22	
	427383	NM_005411	Hs.177582	surfactant, pulmonary-associated protein	1.16	1.41	
	438086	AA338519	Hs.83523	nuclear receptor subfamily 1, group 1, m	1.16	1.36	
	443623	AA345619	Hs.9641	complement component 1, q subcomponent,	1.15	1.27	
	429832	AW293301	Hs.288472	ESTs, Weakly similar to UBPF_HUMAN UBIQU	1.15	1.72	
30	438183	BE263262	Hs.6101	hypothetical protein MGC3178	1.15	1.21	
	432680	T47364	Hs.278613	Interferon, alpha-Inducible protein 27	1.14	1.21	
	406782	AA430373		gb:zw20f11.1.a1 Soares ovary tumor NbHOT H	1.14	1.41	
	414662	AL036058	Hs.76807	major histocompatibility complex, class	1.12	1.25	
	452547	AA335295	Hs.74120	adipose specific 2	1.11	1.39	
35	414803	X03100	Hs.914	Human mRNA for SB classII histocompatibi	1.11	1.22	
	430280	AA381258	Hs.237868	interleukin 7 receptor	1.10	1.73	
	441384	AA447849	Hs.288360	retinoic acid induced 3	1.09	1.22	
	424614	X54486	Hs.151242	serine (or cysteine) proteinase inhibitor	1.09	1.14	
	419200	AW986405		EST	1.08	1.64	
40	416511	NM_008762	Hs.79356	Lysosomal-associated multispanning membr	1.08	1.18	
	408428	M33680	Hs.54457	CD81 antigen (target of antiproliferativ	1.07	1.12	
	447023	AA356764	Hs.17109	Integral membrane protein 2A	1.07	1.71	
	421481	AW391972	Hs.104696	KIAA1324 protein	1.07	1.58	
	406868	AA505445	Hs.300597	Immunoglobulin heavy constant gamma 3 (G	1.07	1.23	
45	412819	T25829	Hs.24046	FK506 binding protein precursor	1.06	1.45	
	418253	AA215539	Hs.283643	Homo sapiens cDNA FLJ11606 fis, clone HE	1.06	1.24	
	431243	U46455	Hs.252189	syndecan 4 (amphiglycan, ryudocan)	1.05	1.17	
	448133	AA723157	Hs.73769	folate receptor 1 (adult)	1.04	1.21	
	407112	AA070801	Hs.51615	ESTs, Weakly similar to ALU7_HUMAN ALU S	1.04	9.14	
50	418156	W17058	Hs.83623	nuclear receptor subfamily 1, group 1, m	1.03	6.65	
	438089	W05391		nuclear receptor subfamily 1, group 1, m	1.03	8.00	
	429615	AF258627	Hs.211562	ATP-binding cassette, sub-family A (ABC1	1.01	1.25	
	405722	H27498	Hs.293441	Homo sapiens SNC73 protein (SNC73) mRNA,	1.00	1.18	
	438091	AW373062		nuclear receptor subfamily 1, group 1, m	0.99	12.84	
55	407018	U49869		NM_018955:Homo sapiens ubiquitin B (UBB)	0.99	1.07	
	412896	AW804157	Hs.308026	major histocompatibility complex, class	0.98	1.57	
	435523	T62849	Hs.11090	membrane-spanning 4-domains, subfamily A	0.97	1.40	
	426530	U24578	Hs.278625	complement component 4A	0.96	1.28	
	456888	NM_001928	Hs.155597	D component of complement (adipsin)	0.95	1.29	
60	407241	M34516		gb:Human omega light chain protein 14.1	0.94	1.11	
	425371	D48441	Hs.165981	mesothelin	0.92	1.45	
	431369	BE184455	Hs.251754	secretory leukocyte protease inhibitor (	0.91	1.28
	TABLE 35B:						
	65	Pkey: Unique Eos probeset identifier number					
CAT number: Gene cluster number							
Accession: Genbank accession numbers							
70	Pkey	CAT Number	Accession				
	411089	5597_6	BI009308 BI009893 BF922023 BF922509 BF922913 BF922096 BF957733 BE701791 AA456454 AA579876 BF933710 AA001294 BI007291				
			AW905577 AW975593 AA713730 AW836781 AA666384 AA551106 BF594605 A1082382 A1055808 A1679895 A1679386 BF435555 AA586358				
75	452194	90339_1	AA551351 AA595822 AA565168 BF808855 AA584921 N86077 AA601031 AA633188 AA514764 AA454562 AA551297 AA936109 BI009389				
			AW897806 BE815442 BF739374 BI009310 BF925422 BF933709 BF922034 BF925465 BI009680				
			A1694413 AW994700 A1912946 N73548 A1082035 AW271652 W24169 W24182 A1719718 AA024658 AW810120 AW015394 T79755 AA988043				
80	410910	1063929_1	A1708339				
	412394	1174816_1	AW810196 AW810555 AW810507 AW810204 AW810619 AW810534				
			AW947794 AW947793 AW947802 AW947798 AW947792 AW984150 AW984166 AW984167 AW984168 AW984179 AW984134 AW984160				
	413682	1527038_1	AW984180 AW984194 AW984202 AW984190				
	441320	59378_5	BE156943 BE157375 BE156955 BE156949 BE156956				
	408544	683260_1	A1346734 A1377971 BG193341 BG548376 AA928353 A1768724 BG215700 AA449370 B1462157 B1050283 BG677508 AA318802 BG719160				
	413454	1515217_1	AW293825 AW235391				
	444404	16136_1	BE141291 BE141306 BE141288 BE141283 BE141162 BE141168 BE141290 BE141161 BE141165				
			BC013183 AW408658 NM_002119 M31525 M26039 BM455399 BF732381 BM152457 AW407685 BM193161 AW407778 B1819141 AA702254				
BF855074 B1761232							

5	436063	5483_1	AK000028 AA494483 AI296674 AA720773 AV761529 AI884670 AI936202 AW294235 D61652 BF861184 AV711384 N27154 AI926970 AV734970 M40094 N28596 AAB84747 AA512890 BG436593 AI147991 AI142274 AI198553 AA338252 AA338213 AW962691 AA333008 AA332289 O78831 C17898 D78863 BF330730 BF350539 BE153665 BE086062 BE064650 BE064863 BF330763 BE153820 BE064737 BE155079 BE064651 AW856751 AW866622 BE064691 BE153674 BE153698 BE064730 BE153636 BC014081 NM_000593 X57522 L21208 L21207 L21206 L21205 L21204 AL561404 AL546423 AL560492 AL556962 AL541576 AL550654 BI823519 BI770023 AL554969 BI489906 AI304693 AW295947 BM146642 X57521 BG820143 BE896390 F06770 F12630 BM423610 AL561518 BM009470 BG742981 AA279685 AA847441 AA313737 BF172639 BF897216 BF914190 BF903647 S70277 AI569694 AW073296 AI361433 AA564644 AA487429 BE858232 AA838610 AI539114 AI719375 A829129 BG057675 AI423422 AI158860 BE300655 AW170777 AA586956 AL571889 AL556850 AL576404 AL582800 BI256544 BF342301 B875994 AA054458 AA353161 AI940434 BE816522 AL577636 AI479650 AW150377 AI154395 AW951271 AK032220 AI819778 AI346733 AW771150 AW512525 AI249904 AA279809 AI352549 AW512517 BG056280 AA521222 BE271141 AL581932 AL541575 BI819184 AV660190 AL556475 AI620020 AW089888 AW079179 Z21518 AA867601 F40651 AI783961 T57198 AI433367 T78652 AL554968 AA366648 AL582619 BE874601 BF804669 AL574458 BM145502 AI266514 AI538823 AI475626 AA948210 AA884054 AA487637 AA031844 AA535221 AW794256 AW361447 BE788505 AI682892 AA830889 AA882356 AA653084 BM009154 AA135727 H05927 H23433 R42244 N79997 AW366685 AW368601 AA678742 AL556474 AA135770 BE774050 BF914200 H88457 AA627746 BI560216 BI753586 AI000341 AI766341 AW873274 AI823999 AA970060 AA508176 AW972585 AI873427 AW972389 BI093452 AW970865 BG118285 AA569075 AA492132 AW753140 AA213770 AA143654 W03900 AW197203 AW753300 X65018 BC022318 NM_003019 BE465060 AI732255 BF446634 AI820677 AI002217 AI924488 BI821373 BI770406 BI823937 BI820265 BI489632 BG482911 AA617783 AI807697 AW205576 T94427 AA487101 T94513 BI819407 BI822450 BI820618 BI824619 BG542824 BG637662 BC017171 BC012195 NM_007126 AF100752 AL137377 Z70758 BM474865 BG754806 AU124376 BG757203 BG764420 BG775028 BG824418 BM045810 AU120387 BG770238 BG686740 BG913323 BI759980 BG359598 BM048875 BE861070 BE313689 BE879144 BM309834 AW245847 AI770171 BF168661 BE858897 AA463876 AI375927 AA648810 AA948193 AA490918 AI458983 AI458188 AI240408 AI91843 AI131029 AW768399 AI365196 AW337984 AW026150 BE466591 BE674599 AI818438 AA72107 AI651927 AW151143 BI198825 BG819083 BM458764 BE903567 BE732715 BM043200 BE900263 BE900706 BE731087 BE390023 BG875384 BF996406 BF988930 BM475542 AW245215 BE601897 BE903610 BE561530 BE560537 BE903782 BE732947 BI227204 BG761305 BE262842 BE391848 BE382475 BG008258 B547991 BI458098 BE391391 BE259420 BE298109 AW245422 AI423847 AI914618 H80534 BE301004 AI531791 AI435681 BF793112 AL577303 AA373265 BE746965 BF743630 BE879296 AI359493 BM018598 AI689260 AW072450 F20201 AW151405 AW517572 AT773468 BG258984 BE391183 BG621529 AI421728 BG767231 BM462953 BG340524 W52648 AA113434 BE785431 BI041981 BG832385 BG253168 BG759470 BF369329 BF981332 BE259418 BE785738 BI081858 N72512 W58732 W85690 BG958989 AI205206 H19721 W17051 W77968 BI262010 AA843419 W74143 W72214 N86194 BE734033 BG164099 AA931068 F13645 R41394 AK025758 BG180977 BE349455 AA812018 AA740241 AI027722 AI150356 AA885395 AW977627 BE220225 AA884082 AW518114 AI243844 AA809493 AA481029 AA825718 AI347866 AI431670 AA814436 AI251109 R07704 AA765606 AA724593 AI918399 AI537550 AA491103 AW008188 R07703 AA989120 AA746235 AW028983 AA789102 AU185751 AW971465 AA486681 AW971893 AW612086 BE077936 BI860809 BE002760 BG746251 BE982912 BM454684 AL134894 BF104082 H80591 AI334106 R63563 AI028079 AI140098 AI911625 AI890637 F34815 T65959 N40935 W52768 AA864747 AA861945 AA878472 AA778270 W32249 AA026061 W52662 W13552 W79670 W95384 T94283 AA002155 R82052 BE825493 BE825520 BE177661 H06215 BE144709 BE144829 AW978537 AI033582 AA837065 AA745261 AA648395 AA430373 AA968771 BF036043 AW190446 BG194731 AW662036 AI445021 BE937550 AW818972 AW393132 AA834686 BF112058 AV721682 H16423 AI270167 AI857345 AA837302 AW818444 BE929780 BG498678 BF155010 BI598271 BI598811 BE161728 AW578737 AW753711 AW379707 AW381918 BG506608 AW028637 AW994240 BF887382 BF790073 AW381624 AV727105 BF439618 AA443174 AI018009 N42850 AW573242 AM17258 AA463483 AI876131 AI167170 AA836627 AA443828 AW592922 AA235129 AA730278 AW439052 AW474332 BI043239 AW474342 BG708553 AW362423 BF080028 BE827256 R16650 R39478 R39479 R94368 BG540916 BM314745 AA251087 D54231 D55274 BF085805 D31589 AW966406 AW994425 D81879 BE093545 AW001107 AA3833529 BI021552 R56420 N39976 AA573281 H82595 AA234956 BE993539 AW367006 BF358697 BF366318 AA663856 BE702099 BF035969 AI267384 AI267232 BE348320 AA621574 AA861212 BF083343 BF083341 AV745131 D53074 AW954476 AW954472 AA376836 AV724531 D53083 C14928 AA093287 AA062838 BG483558 BE940050 AA765954 T70171 BE838775 BE940057 D53502 AW373300 AL116798 BM128728 AA183411 AW444709 AW952455 AI887612 BF431848 BI498876 AI264159 BM128481 AI624657 AI689301 AI969467 AA861686 AA251595 AA625761 AA872D90 AI826790 AA328366 BE827416 R75951 D56918 R68122 BE827384 AL118797 AI184164 AA164411 BI495332 BE858113 AI863880 H00680 T69849 AW780389 C14667 BE934995 BI018852 R92801 AA164410 H00752 AW373305 AW373299 AW373302 BM475665 BE844917 AW770789 AW952971 N64863 BM263259 AI224545 AI184866 N69114 AW518902 AI440169 AA809472 AV854440 AA281842 AI185230 AW337382 AI872923 AI537113 N73882 T83378 H63731 BF671764 AW897824 AI811204 AA344646 BE009112 BG899664 H91240 R60548 N41701 AK054860 AV652198 AV652192 AV652138 AV652127 AV652194 BE935919 AV652017 AV651995 AV651548 AV646063 AV851985 AV646164 AV646179 AW880409 AA345002 BF155189 BE068931 X56197 AL603014 AW953629 BM263546 BE580772 AA701084 AI681352 AA358689 AW938841 BF438147 W05391 H75313 BF326185 AV646335 AV651589 AV646340 AV651992 AV646364 AV646384 AV687497 BF155183 AV646370 AW797878 AI906821 X56196 BE833835 AA628440 BE833808 BF224205 AA709126 BE873807 AI923886 AA947932 AI276125 AI185720 AW510698 AA987230 BE467708 AW898628 AW898544 AI146984 AW043642 AI288245 AI180932 AI635262 AI139455 AI298739 AI813854 AI024768 BE894445 BE699444 AI707807 D52654 AI214518 AI004723 AI698085 AW087420 AI565133 AA845571 AW898622 BF110144 AW513280 AI061126 BF362770 AI288939 AI435818 BF475318 AI024767 BE174213 AA757598 AA513019 AA902959 AI860794 AI334784 BF108411 BM310532 AW513771 AI951391 AI337671 BF095808 BF095601 BF095408 AW890091 BF095753 AW243400 AW895607 AW898616 BF362762 AI922204 AW898625 BE699468 BE174196 AW102823 D52715 BE699456 D52477 D65017 BF955933 BG623563 AV646254 AA463522 BI003244 AI299190 W40186 BE174210 BF939091 BF434180 AW579001 T55662 H01811 T52522 BF945037 BF955938 D54679 D59333 R67100 BG925552 BF980666 R63430 Z28922 T85791 W03942 H63289 AI091537 BF086583 AA345570 H48870 H80720 T83523 BI039626 BI037700 R00353 BF155184 N88343 N79072 H01812 T55581
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TABLE 35C:

75

Pkey:

Ref:

Strand:

NL_position:

Unique number corresponding to an Eos probe set

Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) *Nature* 402:489-495.

Indicates DNA strand from which exons were predicted.

Indicates nucleotide positions of predicted exons.

80

Pkey	Ref	Strand	NL_position
402550	7652009	Minus	80413-80673
403244	7637828	Plus	175792-176144
405452	7656638	Minus	93876-94275

5	401447	8574299	Minus	65053-65283
	405097	8072599	Plus	171191-171360
	400712	8118874	Plus	36087-36268
	403478	9958258	Plus	116458-116564
	406827	7109593	Plus	10279-10872
	405875	7770506	Minus	124680-125321
	406267	7528342	Minus	2570-2731
10	402240	7690131	Plus	104382-104527,106136-106372
	404811	3702428	Plus	26424-26596,26854-26987
	403589	8101229	Plus	5-330
	404088	9958257	Plus	184131-184295
	401897	8569218	Plus	604-767
	405453	7656675	Minus	83710-83980
15	402516	9798099	Minus	195342-195511
	406266	7528342	Minus	2365-2518
	404896	9800109	Minus	60037-60144,62675-63081
	403533	8076874	Plus	162922-163658
	406303	8575868	Plus	173622-173786
20	404240	5002624	Minus	116132-116407,116653-116922
	404056	3548785	Plus	75843-76980,77146-78263
	402736	9212044	Minus	68876-67010
	405545	1054740	Plus	118677-118807,119091-119296,121626-12182
	405441	7408124	Plus	100952-101263
25	400680	8118752	Plus	118343-118684,120720-121013
	404277	1834458	Minus	91665-91946
	404854	7143420	Plus	14260-14537

30 TABLE 36A: About 52 genes upregulated in non-specific interstitial pneumonitis relative to hypersensitivity pneumonitis or idiopathic pulmonary fibrosis

35

Pkey:

ExAccn:

UnigeneID:

Unigene Title:

R1:

R2:

Unique Eos probeset identifier number

Exemplar Accession number, Genbank accession number

Unigene number

Unigene gene title

90th percentile of NSIP AIs divided by 90th percentile of HP AIs, where the minimum value for the numerator and denominator was set to 50.

90th percentile of NSIP AIs divided by 90th percentile of IPF AIs, where the minimum value for the numerator and denominator was set to 50.

40

Pkey

ExAccn

UnigeneID

Unigene Title

R1

R2

435140

AA668123

Hs.134170

ESTs

2.76

2.76

429504

X99133

Hs.204238

lipocalin 2 (oncogene 24p3) (NGAL)

2.57

1.00

435375

AF733610

ESTs

2.55

2.55

420813

X51501

Hs.99849

prolactin-induced protein

2.55

1.35

425071

NM_013989

Hs.154424

deiodinase, iodothyronine, type II

2.52

0.73

421296

NM_002868

Hs.103253

perlepin

2.50

2.45

419290

AF128114

Hs.112886

spinal cord-derived growth factor-B

2.43

1.79

408882

H12084

Hs.31110

ESTs, Weakly similar to MAGE-B4 [H.sapiens]

2.42

1.77

437318

AW382939

Hs.120721

ESTs

2.36

1.61

421823

N40850

Hs.28625

ESTs

2.29

0.66

412228

AW503785

Hs.73792

complement component (3d/Epstein Barr vi

2.28

0.89

430536

AF809163

Hs.5908

nitrogen fixation cluster-like

2.25

2.80

414009

R57516

ESTs

2.19

1.86

446819

AJ076643

Hs.313

secreted phosphoprotein 1 (osteopontin,

2.19

0.33

430589

AW969847

Hs.292718

ESTs, Weakly similar to RET2_HUMAN RETIN

2.18

1.24

413722

BE247954

Hs.18400

ESTs, Weakly similar to KIAA1435 protein

2.14

1.95

433874

AW204429

Hs.155033

ESTs

2.13

1.72

429809

AF002246

Hs.210863

cell adhesion molecule with homology to

2.12

0.91

414290

AF588601

Hs.71721

ESTs

2.11

0.81

451678

AA374181

Hs.26799

DKFZP564D0764 protein

2.11

1.01

406785

AA588081

gb:rnk10303.s1 NCI_CGAP_Co2 Homo sapiens

2.10

1.61

449048

Z45051

Hs.22920

similar to S68401 (cattle) glucose induc

2.08

0.85

444179

W35132

Hs.267442

ESTs

2.08

1.13

430223

NM_002514

Hs.235935

nephroblastoma overexpressed gene

2.05

0.80

451099

R52795

Hs.25954

interleukin 13 receptor, alpha 2

2.04

0.79

439134

AA830599

ESTs

2.04

1.89

418512

AW498974

diacylglycerol kinase, zeta (104kD)

2.02

2.02

457311

AF497811

Hs.172753

Homo sapiens chromosome 19, BAC 41195 (C

2.00

1.45

402274

C[9000498*gi|4587179|gb|AAD23607.1|AC00

1.88

2.24

453222

AA033929

Hs.19156

ESTs

1.77

2.00

447261

NM_005691

Hs.17917

extracellular link domain-containing 1

1.73

2.02

427297

AW292593

Hs.334907

Homo sapiens, clone MGC:17333, mRNA, com

1.69

1.69

406714

AJ219304

Hs.268959

hemoglobin, gamma G

1.62

2.47

418333

W92113

gb:zh48e01.r1 Soares_fetal_liver_spleen_

1.59

2.04

404090

Target Exon

1.48

2.03

444445

AA342329

Hs.115920

Homo sapiens cDNA: FLJ22816 fls, clone K

1.39

2.05

414386

X00442

Hs.75990

haploglobin

1.09

1.44

439372

AF088033

Hs.159225

ESTs

1.05

2.13

432506

NM_002104

Hs.3065

granzyme K (serine protease, granzyme 3;

1.01

2.08

412472

AW975398

Hs.293836

ESTs

1.00

2.26

432894

AW167668

Hs.279772

brain specific protein

0.97

1.19

422060

R20893

Hs.325823

ESTs, Moderately similar to ALU5_HUMAN A

0.96

2.05

416971

R34657

Hs.80658

uncoupling protein 2 (mitochondrial, pro

0.95

1.08

5

424310	AA338648	Hs.50334	testes development-related NYD-SP22	0.93	1.47
422109	S73265	Hs.1473	gastrin-releasing peptide	0.92	3.05
420440	NM_002407	Hs.97644	mammaglobin 2	0.91	2.11
418196	A1745649	Hs.26549	KIAA1708 protein	0.90	2.25
418707	U97502	Hs.87497	butyrophilin, subfamily 3, member A2	0.89	1.11
419231	AL046294	Hs.136245	ESTs, Weakly similar to T17227 hypothesis	0.85	1.74
446608	N75217	Hs.257846	ESTs	0.82	2.10
418918	X07871	Hs.89476	CD2 antigen (p50), sheep red blood cell	0.73	1.32
412610	X90908	Hs.74126	fatty acid binding protein 6, ileal (gas)	0.70	1.76

10

TABLE 36B:

15

Pkey: Unique Eos probeset identifier number
CAT number: Gene cluster number
Accession: Genbank accession numbers

20

Pkey	CAT Number	Accession
435375	130020_1	A1733610 A1049989 AA678769
414009	438978_1	BE221268 R67515 AV730682 R67516
406785	Q_0	AA588061
439134	2581476_1	AA830599 AA970659 AA883802
418512	12225_6	BM046773 AA224297 T33786 T08951 T08274 T08592 T30936 AA350905
418333	73080_1	AF264624 AW668618 AV731446 R83353 AA584550 AV732728 BF802814 BF434359 AA077092 B1027317 AA199812 AW629027 AA831618 A1124782 AA765804 AA055698 AA677404 AA055366 AA889402 AA765530 BE503126 BE467367 AW139964 WB1697 A1887846 WB1696 AA447817 AA447667 F13631 BF055673 AW268271 AW066477 BF677839 AL601859 AW502118 AW502624 AA574189 B1020104

30

TABLE 36C:

35

Pkey: Unique number corresponding to an Eos probeset
Ref: Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) *Nature* 402:489-495.
Strand: Indicates DNA strand from which exons were predicted.
NT_position: Indicates nucleotide positions of predicted exons.

40

Pkey	Ref	Strand	NT_position
402274	2935596	Plus	5604-6527
404090	9967460	Minus	100815-100966

45

TABLE 37A: About 206 genes downregulated in lung fibrosis relative to normal lung

50

Pkey: Unique Eos probeset identifier number
ExAccn: Exemplar Accession number, Genbank accession number
UnigeneID: Unigene number
Unigene Title: Unigene gene title
R1: 90th percentile of normal lung AIs divided by the median of IPF AIs, where the minimum value for the numerator and denominator was set to 50.

55

Pkey	ExAccn	UnigeneID	Unigene Title	R1
454229	AW957744	Hs.278469	lacrimal proline rich protein	11.67
432128	AA127221	Hs.296502	ESTs	8.85
421218	NM_000499	Hs.72912	cytochrome P450, subfamily 1 (aromatic c	7.69
453310	X70897	Hs.553	solute carrier family 6 (neurotransmitter	7.32
420958	AA309431	Hs.66	interleukin 1 receptor-like 1	7.13
402608			Homo sapiens defensin, alpha 1, myeloid-	6.67
406714	A1219304	Hs.266959	hemoglobin, gamma G	5.40
408673	M34998	Hs.198253	major histocompatibility complex, class	5.22
416539	Y07909	Hs.79368	epithelial membrane protein 1	5.04
418021	M15881	Hs.1137	uromodulin (urogenital, Tamm-Horsfall gly	4.77
409385	AA071267		gb:zm61g01.r1 Stragene fibroblast (937	4.74
450847	NM_003155	Hs.25590	stanniocalcin 1	4.46
404518			CD83 antigen (activated B lymphocytes, i	4.36
413951	AW051200	Hs.75640	atriuretic peptide precursor A	4.32
407570	Z19002	Hs.37095	zinc finger protein 145 (Kruppel-like, e	4.25
456525	AW468397	Hs.100000	S100 calcium-binding protein A8 (calgran	4.23
429509	AW614420	Hs.204354	ras homolog gene family, member B	4.14
445769	A1741471	Hs.23666	ESTs	4.10
414002	NM_006732	Hs.75678	FBJ murine osteosarcoma viral oncogene h	4.05
426571	AJ007292	Hs.158306	ephrin-A2	3.92
423168	R34385	Hs.124940	GTP-binding protein	3.80
401234			mitogen-activated protein kinase B inter	3.78
402181			Target Exon	3.77
403479			NM_007064:Homo sapiens serine/threonine	3.68
435424	AW083883	Hs.37896	Homo sapiens cDNA FLJ13510 fis, clone PL	3.68
402911			NM_021158:Homo sapiens protein kinase d	3.66
442195	NM_001430		endothelial PAS domain protein 1	3.65
400089			Eos Control	3.60

5	413948	C051145	Hs.75636	myosin light chain 2a	3.56
	438564	AA381553	Hs.198253	major histocompatibility complex, class	3.54
	413956	A1821351	Hs.193133	ESTs, Weakly similar to ALU7_HUMAN ALU S	3.54
	431319	AA873350	Hs.302232	ESTs	3.52
	434292	AF124368	Hs.306551	Homo sapiens IMAGE Consortium ID 839832,	3.48
10	401540			NM_002675:Homo sapiens promyelocytic leu	3.45
	426477	AA379464	Hs.154073	gb:EST82386 Skin tumor 1 Homo sapiens cD	3.43
	402328			Target Exon	3.42
	401580			Target Exon	3.42
	403645			NM_024513*:Homo sapiens FYVE and collid-	3.37
15	403376			Target Exon	3.36
	447966	AA340605	Hs.105887	ESTs, Weakly similar to Homolog of rat Z	3.35
	417695	BE241624	Hs.82401	CD69 antigen (p60, early T-cell activati	3.28
	413719	BE439580	Hs.75498	small inducible cytokine subfamily A (Cy	3.27
	401126			NM_006856*:Homo sapiens activating trans	3.27
20	408243	Y00787	Hs.824	interleukin 8	3.23
	412429	AV650262	Hs.75765	GRO2 oncogene	3.22
	426420	BE383808	Hs.322430	NDRG family, member 4	3.21
	449338	H73444	Hs.394	adrenomedullin	3.19
	401904			Target Exon	3.16
25	401919			NM_012448*:Homo sapiens signal transduce	3.14
	406443			ENSP00000236574*:Hypothetical 21.8 kDa p	3.14
	458232	BE217872	Hs.279537	ESTs	3.12
	406016			Target Exon	3.12
	450912	AW939251	Hs.25647	v-fos FBJ murine osteosarcoma viral onco	3.11
30	451831	NM_001674	Hs.460	activating transcription factor 3	3.08
	450562	AW136468	Hs.202199	ESTs	3.07
	405938			Target Exon	3.04
	451029	AA852097	Hs.25829	ras-related protein	3.02
	421201	AW241940	Hs.102500	hypothetical protein FLJ20481	2.98
35	439839	AA889354		ESTs	2.98
	439891	AL389940	Hs.109968	ESTs	2.95
	418935	T28499	Hs.89485	carbonic anhydrase IV	2.95
	418853	NM_005236	Hs.89295	excision repair cross-complementing rode	2.95
	429113	D28235	Hs.196384	prostaglandin-endoperoxide synthase 2 (p	2.94
40	410326	A1368909	Hs.47650	ESTs	2.89
	407244	M10014		fibrinogen, gamma polypeptide	2.85
	459721	AL299050	Hs.143835	gb:qnr14d12.x1 NCI_CGAP_Lu5 Homo sapiens	2.84
	416212	R40290	Hs.124685	ESTs	2.84
	428586	AA431801	Hs.98754	ESTs, Weakly similar to A29861 actin gam	2.83
45	437508	AL204354	Hs.121347	ESTs	2.82
	437990	AL688579	Hs.121784	ESTs	2.82
	443709	AL082692	Hs.134662	ESTs	2.81
	423099	NM_002837	Hs.123641	protein tyrosine phosphatase, receptor t	2.80
	416188	BE157280	Hs.79070	v-myc avian myelocytomatosis viral onco	2.79
50	404231			Target Exon	2.78
	434305	AL018280	Hs.130189	ESTs	2.77
	445493	AL915771		metallothionein 1E (functional)	2.76
	418056	AA524886		gb:nt34f02.s1 NCI_CGAP_Pr3 Homo sapiens	2.76
	404102			Target Exon	2.75
55	440206	AL762232	Hs.46794	ESTs	2.75
	403031			cathepsin D (lysosomal aspartyl protease	2.75
	413164	BE068494		gb:MR1-BT0371-050500-009-rt12 BT0371 Homo	2.74
	459330	C16931		gb:C16931 Clontech human aorta polyA mRNA	2.74
	456967	AW004056	Hs.168357	T-box 2	2.74
60	427602	AL375258	Hs.98005	ESTs	2.74
	431357	Z20964	Hs.323817	DKFZP547E1010 protein	2.72
	408059			Target Exon	2.71
	420575	BE263301	Hs.99029	CCAAT/enhancer binding protein (C/EBP),	2.71
	457275	AA463422	Hs.209431	ESTs	2.71
65	432558	AW452948	Hs.257631	ESTs	2.71
	402483			NM_020389:Homo sapiens putative capacita	2.70
	416069	R37101	Hs.20982	ESTs	2.70
	445445	AF238870	Hs.275706	Homo sapiens clone GLSH-3 similar to gli	2.69
	436232	AA707006	Hs.187863	ESTs	2.68
70	418773	T39748	Hs.325474	Target CAT	2.67
	434038	AA622104		ESTs	2.67
	405448			Homo sapiens mRNA; cDNA DKFZp58610222 (f	2.66
	404439			ENSP0000067222*:Mitochondrial 28S ribos	2.65
	436724	N39308	Hs.117898	ESTs	2.65
75	404026			Target Exon	2.65
	400881			NM_025080:Homo sapiens hypothetical prot	2.64
	430314	AA369601	Hs.239138	pre-B-cell colony-enhancing factor	2.62
	405429			Target Exon	2.62
	402642			C1002296:gl|6677817|ref|NP_033126.1| rep	2.61
80	438575	BE304709	Hs.146550	myosin, heavy polypeptide 9, non-muscle	2.61
	448293	AA001088	Hs.29739	ESTs, Weakly similar to C34323 GTP-bindi	2.61
	416157	NM_003243	Hs.342874	transforming growth factor, beta recepto	2.60
	446122	AL362790	Hs.278639	KIAA1684 protein; likely homolog of mous	2.59
	435291	AF007191		gb:Homo sapiens SIB 276 intestinal mucin	2.59
	426795	AL810474	Hs.196945	ESTs	2.58
	423503	M92843	Hs.343585	zinc finger protein homologous to Zip-36	2.58
	430768	AB030207	Hs.247888	guanine nucleotide binding protein 13, g	2.58

	423387	AJ012074		vasoactive intestinal peptide receptor 1	2.57
	442681	AJ809182	Hs.130907	ESTs	2.57
	406652	R43409	Hs.6629	Homo sapiens mRNA for KIAA1644 protein,	2.56
5	402217			C19001662*:g|6753872|ref|NP_034345.1|	2.56
	427700	AA262294	Hs.180383	dual specificity phosphatase 6	2.56
	455874	BE065941		gb:RC3-BT0319-100100-012-d12 BT0319 Homo	2.56
	457831	AA708937	Hs.120802	ESTs, Moderately similar to A28641 Na7ex	2.56
	454219	X75042	Hs.44313	v-rel avian reticuloendotheliosis viral	2.55
10	458648	AW444551	Hs.35380	x 001 protein	2.55
	456663	BE251104	Hs.113052	RNA cyclase homolog	2.54
	440178	AW502463	Hs.196521	ESTs	2.53
	457139	AJ557280	Hs.184270	capping protein (actin filament) muscle	2.52
	405857			Target Exon	2.51
15	410204	AJ243425	Hs.326035	early growth response 1	2.50
	412851	AJ826502	Hs.97269	ESTs	2.49
	419968	X04430	Hs.93913	interleukin 6 (Interferon, beta 2)	2.49
	409209	AA460160	Hs.73217	ESTs	2.49
	447173	AW449385	Hs.157294	ESTs	2.48
20	440034	AJ908639	Hs.246781	ESTs	2.44
	418168	R85350	Hs.101368	ESTs	2.43
	417295	AW993524	Hs.43148	epithelial membrane protein 1	2.43
	406305			transcriptional adaptor 3 (ADA3, yeast h	2.42
	427886	AA417083	Hs.104789	ESTs	2.42
25	436409	AJ238982	Hs.183658	VNN3 protein	2.42
	413861	BE175424		gb:RC4-HT0578-170300-012-d01 HT0578 Homo	2.40
	403805			C3000142*:g|4503015|ref|NP_003900.1| co	2.37
	402584			C1002603*:g|9887091|gb|AA001738.1|AF248	2.37
	402803			NM_001397:Homo sapiens endothelin conver	2.37
30	428336	AA503115	Hs.183752	microseminoprotein, beta-	2.36
	458568	AJ769067	Hs.127824	ESTs, Wealdy similar to T28770 hypothet	2.36
	442630	AW572838	Hs.130580	ESTs	2.35
	409368	AA071059		gb:zm66a10.r1 Stratagene neuroepithelium	2.33
	405156			NM_003213*:Homo sapiens TEA domain famil	2.31
35	448162	AL039531	Hs.323363	hypothetical protein FLJ22169	2.31
	403691			Target Exon	2.31
	406193			Target Exon	2.30
	420813	X51501	Hs.99949	prolactin-induced protein	2.30
	442941	AL076728	Hs.8867	cysteine-rich, angiogenic inducer, 61	2.28
40	400703			C11001794*:g|10946612|ref|NP_067286.1|	2.27
	415026	AA159356	Hs.72308	ESTs	2.25
	400334	Y13187		Homo sapiens dmd gene, Intron 11	2.18
	445878	AJ262974	Hs.145587	ESTs	2.18
	404976			uncharacterized hypothalamus protein HTO	2.18
45	436370	R01220	Hs.185679	ESTs	2.17
	400513			Target Exon	2.16
	424008	R02740	Hs.137555	putative chemokine receptor; GTP-binding	2.15
	415405	R59141		gb:cyg96d11.r1 Soares infant brain 1N18 H	2.15
	407812	U26403	Hs.37142	ephrin-A5	2.12
50	409837	AW501504		gb:UJ-HF-BP0p-ajd-h-04-0-ULr1 NIH_MGC_5	2.08
	458637	AV857446		gb:AV857446 GLC Homo sapiens cDNA clone	2.07
	449125	AJ671439	Hs.196029	Homo sapiens mRNA for KIAA1657 protein,	2.00
	418922	AW956580	Hs.42699	ESTs	1.98
	402404			NM_024967*:Homo sapiens hypothetical pro	1.98
55	421993	R22497	Hs.110571	growth arrest and DNA-damage-inducible,	1.88
	413731	BE243845	Hs.75811	connective tissue growth factor	1.96
	456855	AF035528	Hs.153863	MAD (mothers against decapentaplegic, Dr	1.96
	428193	NM_004235		Kruppel-like factor 4 (gxl)	1.93
	422166	W72424	Hs.112405	S100 calcium-binding protein A9 (calgran	1.92
60	439463	BE284974	Hs.6566	thyroid hormone receptor interactor 13	1.92
	433983	AJ925688	Hs.222312	ESTs	1.91
	406584			msh (Drosophila) homeo box homolog 2	1.91
	403581			Target Exon	1.90
	403716			Target Exon	1.90
	404758			Target Exon	1.90
65	439500	W73168	Hs.170434	Homo sapiens cDNA FLJ14242 fls, clone OV	1.89
	448793	AJ864581		ESTs	1.84
	435857	AF253458	Hs.3736	della-like 4 homolog (Drosophila)	1.83
	426553	AA530892	Hs.171695	dual specificity phosphatase 1	1.82
	402051			Target Exon	1.81
70	409850	AW501926		gb:UJ-HF-BR0p-ejp-f-08-0-ULr1 NIH_MGC_5	1.78
	417967	BE244373	Hs.1119	nuclear receptor subfamily 4, group A, m	1.78
	405063			Target Exon	1.78
	405163			C5000564*:g|7513700|pir|J14151 lnr pro	1.75
75	402386			Target Exon	1.73
	406755	N80129	Hs.199263	metallothionein 1L	1.73
	409811	AW500896		gb:UJ-HF-BR0p-ajr-a-03-0-ULr1 NIH_MGC_5	1.70
	464034	NM_000691	Hs.575	aldehyde dehydrogenase 3 family, member	1.70
	400489			Target Exon	1.70
80	428704	AA432007	Hs.192090	ESTs	1.69
	429307	AJ076592	Hs.198951	Jun B proto-oncogene	1.67
	400116			Eos Control	1.65
	404795			Target Exon	1.65
	408053	AW139474	Hs.246862	ESTs	1.65

5	414580	BE386918		gb:601275385F1 NIH_MGC_20 Homo sapiens c	1.63
	428800	M57627	Hs.193717	Interleukin 10	1.63
	451876	R84770	Hs.33538	ESTs, Weakly similar to oxygen-regulated	1.62
	402394			Target Exon	1.61
	404818			Target Exon	1.60
	436364	X06096		gb:Human macrophage alpha1-antitrypsin c	1.55
	420369	U96769	Hs.97220	chondroadherin	1.54
	405590			CX001497:gil4557543[ref][NP_001384.1] ex	1.54
	402448			Target Exon	1.53
10	433495	AW373784	Hs.71	alpha-2-glycoprotein 1, zinc	1.51
	409020	AA062549	Hs.21162	retbindin	1.51
	405443			Target Exon	1.12
15	TABLE 37B:				
	Pkey:	Unique Eos probeset identifier number			
	CAT number:	Gene cluster number			
	Accession:	Genbank accession numbers			
20	Pkey	CAT Number	Accession		
	409385	110758_1	T65940 T64515 AA071267 AA071334		
	442195	15007_1	U81984 NM_001430 BE907085 B333232 AK021986 AU138476 C18601 U51626 AU100517 B1054387 AU076970 BE786454 BG010080 AW377189		
25			BF988789 AA368139 R11395 T83613 BG005324 B1012404 BG001643 BF757957 AL549361 AL544018 BE002870 BE929314 BE090199 AL046650		
			B1053717 BE929315 B1054967 BF960055 BF925432 R05421 BF922073 T70331 B1004403		
	439839	2594580_1	A1023587 AA889354 AA846791		
	445493	423456_1	AV711317 A1809938 A1803768 A1240593 A1915771		
	418058	286199_1	AW971347 AA524886 AA211537 BF903006 BF367120		
30	413164	1492512_1	BE068758 BE068745 BE068689 BE068778 BE068529 BE068683 BE068445 BE068392 BE068719 BE068473 BE068521 BE068628 BE068422		
			BE068618 BE068354 BE068390 BE068414 BE068433 BE068369 BE068384 BE068661 BE068324 BE068301 BE068436 BE068754 BE068329		
			BE068672 BE068494 BE068596 BE068332 BE068347 BE068588 BE068328 BE068483 BE068740 BE068685 BE068759 BE068307 BE068429		
			BE068303 BE068693 BE068374 BE068629 BE068525 BE068302 BE068663 BE068675 BE068679 BE068311 BE068674 BE068547 BE068602		
			BE068605 BE068352 BE068306 BE068401 BE068537 BE068552 BE068450 BE068723 BE068393 BE068671 BE068748 BE068317 BE068447		
			BE068568 BE068632 BE068357 BE068330 BE068498 BE068631 BE068540 BE068410 BE068628 BE068591 BE068522 BE068676 BE068499		
			BE068361 BE068598 BE068350 BE068299 BE068580 BE068567 BE068692 BE068321 BE068327 BE068738 BE068526 BE068538 BE068765		
			BE068340 BE068733 BE068293 BE068565 BE068480 BE068476 BE068761 BE068712 BE068706 BE068549 BE068419 BE068683 BE068434		
			BE068418 BE068525 BE068543 BE068752 BE068550 BE068623 BE068470		
	459330	105725_1	BG563152 BF846777 BF849354 BF849359 BF846636 BF849201 BF849358 C16931 AA058717 AW884542 AW882724 AA055657		
40	434038	630966_1	A1910738 AW139227 AA932891 AA622104		
	433291	73706_1	AF007191 AW820706 BG978694 BF872238		
	423387	2612_2	L13288 AA928785 A1808912 AW872978 AA565655 A1022915 A1304920 A1584366 A1668793 A1094557 T60038 R72302 H45409 AA508805 R46356		
			AA418798 BM129553 BM129126 BM129282 BM128865 A1808418 A1689932 A1806573 BF431808 AW872985 AW166269 H73241 T16182 A1264547		
			R73391 R72085 R72840 T83751 X75299 BF754345 R94105 AW449639 R73300 NM_004624 A1797007 BE045543 BF110021 BF754250 T83923		
			AW884084 AA903896 AA418962 L20295 R72351 H45099 AA961010 R73210 R46451 AW884085 B1022902 B1763932 B1910138		
45	455874	1490762_1	BE065941 BE065997 BE066003 BE066070 BE066098		
	413861	1561647_1	BF352282 BE175424 BE175418 BE175383		
	409368	110812_1	AA071059 AA085201 AA085020		
	415405	1872128_1	W18191 R59141 R54142 R12130 F11362 Z42794 F08242 F07925 H21084 R54090 R59142		
50	409837	915821_1	AW501504 AW501656 AW503048 AW502449 AW502098		
	458637	395206_1	AV657752 AV657448		
	428193	430_1	AF105036 U70663 NM_004235 AF022184 AU141767 AU141110 ALD0569 D44830 B1011351 AL575805 A1290876 A1014784 A1393429 A1266211		
			AW074303 AA620711 BF197792 AW008788 D25944 A1687397 AA621680 AV714408 BF446905 BM314605 BF514079 BM314197 AA845201		
			AW874084 BE720622 A1127241 AA236238 A1679709 A1679135 A1572470 AA573434 A1568487 BE049325 AA687950 BG925989 A1338031		
			A1365073 A1024576 AA298805 H04001 H45668 BG682146 AL552388 B1462381 BG547513 BG896863 B1258661		
55	448793	3006936_1	A1938948 A1864581 A1570841		
	409859	916430_1	AW501926 AW502566 AW501927		
	409811	58948_2	AK057581 AW500962 AW500896 AW501105		
	400116	5258_1	D42041 NM_014810 AJ000332 B1758702 BG720850 AU141129 AU130711 AU141380 AU132402 BM048556 AU127520 BE259984 AU128952		
60			BE614151 AL601516 BM146777 AU128103 BM194094 BE337951 BE596396 AK026897 AK026567 BF969293 BE798100 B106681 BG168248		
			BE077845 BG385414 AW886747 BF093789 AW390159 BF820311 AA421676 AW880845 AW404827 BF726485 BE161190 BE254102 AW406002		
			BE161223 A1912055 BF930228 AW374357 AW794531 BE720524 BE933982 BE933568 BE933694 BE933978 BE933654 BE933593 BE166557		
			BE933874 BE933641 BE933869 BE933626 BE933866 BE933633 BE933864 BE933631 BE933867 BE933634 BE933857 BE933624 BE933883		
			BE933650 BE720491 AA420426 BE720410 BE720458 BE720444 BE720411 AW368748 BF874618 BE933498 BE835979 BF926687 AW849921		
65			AW850026 AW850022 AW849977 AW849800 BG250251 W87689 A192825 A1692824 AA426263 A1090315 A1309537 AA877437 AA478438		
			A1538668 AW276162 A1279916 AA600318 A1188836 AW662284 A1262619 AA293457 BF347442 AA421677 AA658063 AA585510 AA937080		
			A142584 AA788940 AA827426 AU152614 A1342784 AU148738 AA219664 AA047835 H99450 AA018563 A1073634 BM475120 BG875251		
			BG248778 U46372 AA383858 AU140356 BG821891 BF935049 B1780556 B1054103 BF982309 BE872215 B1257291 AU158469 AU160599		
			AU152469 AU152375 AU152059 AU148575 N32267 AU148554 A1627459 A1718840 AW779017 A1291483 AW304181 AW470055 A1086491		
70			A1311387 A1634232 A151241 A1288848 AW050588 AW589580 A1241353 A1880219 A0039309 AA026517 AA016238 AA013444 H86822 R87530		
			AA058462 N27082 Z39679 BE544309 W52619 AA018076 A1813668 AW189907 A1418104 AU158878 A150087 R21754 AA015932 H67274		
			AU153097 A1961344 AA018208 W32429 R45344 R77453 BM470129 AU130415 B1227374 BE298179 AW844963 AW844983 A1904066 AA379006		
			BF950571 AA355641 BG747156 AL547262 AW367941 BE560004 B1116061 BG899031 BE660318 BF174177 B1051456 BE001967 BE385446		
			BF969326 BF808765 BF684480 BG421617 A1940607 AW875483 BE789632 BF808711 B1192691 AW904249 B911430 BE265407 BE730343		
			BE397808 B1226516		
75	414580	623093_1	BG333973 BE385437 BE408833 BE387650		
	436364	1414_37	X05826 X06096 BG468890 AW951851 W23562 T28392 H56742 H58030 T69205		
80	TABLE 37C:				
	Pkey:	Unique number corresponding to an Eos probeset			
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) Nature 402:489-495.			
	Strand:	Indicates DNA strand from which exons were predicted.			

NT_position: Indicates nucleotide positions of predicted exons.

	Pkey	Ref	Strand	NT_position
5	402608	9910096	Plus	37495-37669
	404518	8151888	Plus	84494-84603
	401234	9929642	Plus	120173-120337
	402181	8575912	Plus	449746-450040
10	403479	7329292	Minus	148369-148533,150678-150809
	402911	7263804	Plus	142689-142979
	401540	8072433	Plus	106839-107310
	402328	4464283	Minus	13758-13922,14558-14752
	401590	9966320	Minus	33547-33649
	403645	8699714	Minus	4433-4582
15	403376	9369545	Minus	109698-108830
	401126	8699701	Minus	68290-68487
	401904	8671965	Plus	60959-61603,62670-62890,63778-63838
	401919	9502465	Plus	67536-67666
20	406443	9280765	Plus	85951-87327
	406016	8272661	Plus	41341-41940
	405938	6758795	Minus	166871-167411
	404231	8218035	Minus	61077-61322
	404102	7229900	Plus	97685-98018
25	403031	7768597	Minus	1308-1416
	406059	9103984	Minus	13856-14004
	402483	7574980	Minus	65578-66119
	405446	7582529	Plus	136347-136532
	404439	7139680	Plus	55316-55585
30	404026	7582549	Minus	79674-79968
	400881	2842777	Minus	91446-91603,92123-92265
	405428	7321905	Minus	51577-51723
	402642	9958129	Minus	125599-125756
	402217	9795981	Minus	21521-21757
35	405857	6758728	Plus	26564-26819
	405306	8575969	Plus	108239-108385,112216-112378,115388-11557
	403605	6862654	Plus	91614-91718
	402594	7705170	Plus	103082-103414
	402803	3287156	Minus	55923-56033
40	405156	9966228	Plus	146733-146860,147899-147961,153127-15325
	403591	8101229	Plus	4201-4833
	406193	7289992	Plus	30183-30662
	400703	8118859	Plus	63657-63857,64802-64905
	404975	3418864	Minus	86086-86605
45	400513	9796593	Plus	74613-74823
	402404	3970932	Plus	53154-53280
	406564	7711604	Minus	52788-53013
	403581	8101182	Plus	6794-7396
	403716	7239669	Plus	86889-87122
50	404758	7706327	Minus	130204-130806
	402051	8082020	Minus	19346-19480,20041-20119
	405053	7658414	Minus	111047-111668
	405163	9966267	Minus	161171-161299
	402386	9799769	Plus	22069-22303
55	400489	8954013	Plus	131475-131652
	404795	4826439	Plus	147501-147780
	402394	9929690	Plus	33308-33482
	404818	2769655	Plus	33671-33839
	405590	6960466	Plus	90492-90818
60	402448	9796540	Plus	112942-113069,114303-114521
	405443	7406143	Plus	90716-90887,101420-101577

65 TABLE 38A: About 207 genes upregulated in lung fibrosis relative to normal tissues

70	Pkey:	Uniqua Eos probeset identifier number		
	ExAccn:	Exon Accession number, Genbank accession number		
75	UnigeneID:	Unigene number		
	Unigene Title:	Unigene gene title		
	R1:	90th percentile of lung fibrosis AIs divided by 70th percentile of normal tissue AIs, where the minimum value for the numerator and denominator was set to 50.		
	Pkey	ExAccn	UnigeneID	Unigene Title
75	437275	AW976035	Hs.292396	ESTs, Weakly similar to A47582 B-cell gr
	407891	AA486620	Hs.41135	endomucin-2
	414020	NM_002984	Hs.75703	small inducible cytokine A4 (homologous
	410219	T98226	Hs.171952	occludin
80	434666	AF151103	Hs.112259	T cell receptor gamma locus
	425009	X58288	Hs.154151	protein tyrosine phosphatase, receptor t
	406617			Target Exon
	420568	F09247	Hs.247735	protocadherin alpha 10
	425873	NM_013390	Hs.160417	transmembrane protein 2
				R1
				4.28
				4.14
				4.07
				3.96
				3.88
				3.87
				3.76
				3.70
				3.69

	438797	C16161	Hs.283040	hypothetical protein PRO2543	3.68
	410315	A1638871	Hs.152519	Homo sapiens cDNA: FLJ22524 fls, clone H	3.65
	446714	W73818	Hs.110028	ESTs	3.64
5	412326	R07566	Hs.73817	small inducible cytokine A3 (homologous	3.61
	430259	BE560182	Hs.127826	RaiGEF-like protein 3, mouse homolog	3.58
	412790	NM_014767	Hs.74583	KIAA0275 gene product	3.56
	424338	W78816	Hs.49943	ESTs, Weakly similar to S65657 alpha-1C-	3.56
	412654	A093480		hypothetical protein FLJ11896	3.56
10	414386	X00442	Hs.75990	haptoglobin	3.54
	451035	AU076785	Hs.430	plasmin 1 (I isoform)	3.52
	436473	A1193122	Hs.132275	ESTs	3.51
	406714	A1219304	Hs.266959	hemoglobin, gamma G	3.46
	414586	AA306160	Hs.16488	lymphocyte cytosolic protein 1 (L-plast	3.45
	427274	NM_005211	Hs.174142	colony stimulating factor 1 receptor, fo	3.45
15	427527	A1809057	Hs.153251	immunoglobulin heavy constant mu	3.39
	452813	U54727	Hs.191445	ESTs	3.36
	442831	A1758959	Hs.131686	ESTs	3.35
	427774	AA278583	Hs.180737	Homo sapiens clone 23664 and 23905 mRNA	3.34
20	445330	R52656	Hs.21691	ESTs	3.31
	436001	AW903849	Hs.173840	HUEL (C4orf1)-interacting protein	3.31
	431681	AK000376	Hs.267566	hypothetical protein FLJ20371	3.29
	432314	AA533447	Hs.312989	ESTs	3.28
	435129	A1381659	Hs.267086	ESTs	3.28
25	407151	H25836	Hs.301527	ESTs, Moderately similar to unknown [H.s	3.24
	422607	Z45471	Hs.118684	stromal cell-derived factor 2	3.21
	421205	AL137540	Hs.102541	nestin 4	3.20
	428582	BE336699	Hs.185055	BENE protein	3.20
	423582	BE000831	Hs.23837	Homo sapiens cDNA FLJ11812 fls, clone HE	3.19
30	424880	NM_000328	Hs.153614	retinitis pigmentosa GTPase regulator	3.17
	421233	AA209534	Hs.284243	tetraspan NET-6 protein	3.17
	429350	A1754834	Hs.131987	ESTs	3.16
	428727	AF078847	Hs.191356	general transcription factor IIH, polype	3.16
	434850	Z43161	Hs.283714	30 kDa protein	3.13
35	414602	AW630088	Hs.76550	Homo sapiens mRNA; cDNA DKFZp564B1264 (f	3.12
	446506	A1123118	Hs.15159	chemokine-like factor, alternatively spl	3.11
	416114	A1695549	Hs.183668	glucuronidase, beta	3.10
	435969	AF255910	Hs.54650	junctional adhesion molecule 2	3.09
	444212	AW503976	Hs.10649	basement membrane-induced gene	3.08
40	422442	AA324998	Hs.147086	signal transducer and activator of trans	3.08
	442870	N45018	Hs.8769	hypothetical protein DKFZp761J17121	3.08
	424456	AA341017	Hs.25549	hypothetical protein FLJ20898	3.07
	429573	AA884407	Hs.211595	protein tyrosine phosphatase, non-recept	3.07
	445107	A1208121	Hs.147313	ESTs, Weakly similar to I38022 hypotheti	3.06
45	438828	AL134275	Hs.6434	hypothetical protein DKFZp761F2014	3.04
	428106	BE620016	Hs.182470	PTD010 protein	3.04
	428403	AJ393048	Hs.326169	leucine rich repeat (in FLJ) interactin	3.04
	431830	Y16645	Hs.271387	small inducible cytokine subfamily A (Cy	3.03
	417512	X76534	Hs.82226	glycoprotein (transmembrane) nmib	3.02
50	423067	AA321365	Hs.285401	colony stimulating factor 2 receptor, be	3.01
	437457	AA757900	Hs.270823	ESTs, Weakly similar to S65657 alpha-1C-	2.96
	415000	AW025529	Hs.239812	Homo sapiens serologically defined breas	2.96
	437145	AF007216	Hs.54582	solute carrier family 4, sodium bicarbon	2.96
	418838	AW386224	Hs.35188	ectonucleoside pyrophosphatase/phosphodi	2.96
55	419650	BE280337	Hs.194693	solute carrier family 7 (cationic amino	2.96
	409958	AW103384	Hs.727	inhibin, beta A (activin A, activin AB a	2.95
	414493	AL133921	Hs.76272	retinoblastoma-binding protein 2	2.94
	416883	AW140128	Hs.184902	ESTs	2.92
	417875	AJ808807	Hs.3781	similar to murine leucine-rich repeat pr	2.92
60	418318	U47732	Hs.84072	transmembrane 4 superfamily member 3	2.92
	432841	M93425	Hs.82	protein tyrosine phosphatase, non-recept	2.92
	429840	U83508	Hs.2463	angiotensin 1	2.91
	449843	R85337	Hs.24030	solute carrier family 31 (copper transpo	2.91
	401958			Target Exon	2.90
65	416925	H03109	Hs.263395	HTD18 protein	2.90
	433691	AA605012		ESTs	2.88
	441892	AB028981	Hs.8021	KIAA1058 protein	2.87
	438453	BE264874	Hs.6556	thyroid hormone receptor interactor 13	2.87
	417165	R80137	Hs.302738	Homo sapiens cDNA: FLJ21425 fls, clone C	2.87
70	414291	A1289519	Hs.13040	G protein-coupled receptor 86	2.87
	417695	BE241624	Hs.82401	CD69 antigen (p80, early T-cell activati	2.87
	435813	W95006	Hs.269559	ESTs, Weakly similar to S65657 alpha-1C-	2.86
	422050	AA302741	Hs.25786	ESTs, Moderately similar to JC5238 galac	2.85
	451356	AA748418	Hs.164577	ESTs	2.86
75	442085	AA975688	Hs.159955	ESTs	2.84
	427704	AW971063	Hs.292882	ESTs	2.83
	427247	AW504221	Hs.174103	integrin, alpha L (antigen CD11A (p180),	2.83
	441955	AA972712	Hs.269737	ESTs	2.82
	430268	AK000737	Hs.237480	hypothetical protein FLJ20730	2.82
80	450056	BE047394	Hs.8208	ESTs, Weakly similar to S71512 hypotheti	2.80
	407245	X90568	Hs.172004	titin	2.80
	418941	AA452970	Hs.239527	E1B-55kDa-associated protein 5	2.80
	446601	AJ312783	Hs.155772	Homo sapiens thymic stromal co-transport	2.80
	432195	AJ243669	Hs.8127	KIAA0144 gene product	2.80

	449088	AI654048	Hs.196566	ESTs	2.80
	416511	NM_006762	Hs.79356	Lysosomal-associated multispinning membr	2.80
	406648	AA563730	Hs.277477	major histocompatibility complex, class	2.79
5	412116	AW402166	Hs.784	Epstein-Barr virus induced gene 2 (lymph	2.78
	433793	AW975959	Hs.107513	ESTs, Moderately similar to KIAA1058 pro	2.78
	440255	AI932285	Hs.160569	ESTs	2.78
	410067	R66634	Hs.268107	multimerin	2.77
	417497	AW402482	Hs.82212	CD53 antigen	2.77
10	446733	AA863360	Hs.26040	ESTs, Weakly similar to fatty acid omega	2.76
	431884	AA521246	Hs.210792	ESTs, Weakly similar to ALU8_HUMAN ALU S	2.75
	409969	AW514668	Hs.194258	ESTs, Moderately similar to ALU5_HUMAN A	2.75
	436729	BE621807		transmembrane 4 superfamily member 1	2.75
	431451	AA761378	Hs.192013	ESTs	2.74
15	413517	N76712	Hs.44829	ESTs, Weakly similar to I38022 hypotheti	2.74
	447818	W79940	Hs.21906	Homo sapiens clone 24670 mRNA sequence	2.74
	418818	AA228899	Hs.101307	Homo sapiens HUT 11 protein mRNA, partial	2.74
	424673	AA345051	Hs.294092	ESTs, Weakly similar to I38022 hypotheti	2.74
	443194	AI954968		matrix Gla protein	2.71
20	443804	AL136352	Hs.255883	ESTs, Weakly similar to I38022 hypotheti	2.71
	452870	AW502761	Hs.30909	KIAA0430 gene product	2.70
	430334	AI824719	Hs.143251	ESTs	2.70
	437187	AL080208	Hs.306325	Homo sapiens mRNA; cDNA DKFZp586C1523 (f	2.70
	432279	N95104	Hs.274260	ATP-binding cassette, sub-family C (CFTR	2.70
25	413950	AA249096	Hs.32793	ESTs	2.70
	430016	NM_004736	Hs.227656	xenotropic and polytropic retrovirus rec	2.70
	431710	AI735482		ESTs	2.70
	448749	AW859679	Hs.21902	Homo sapiens clone 25237 mRNA sequence	2.69
	451154	AA016879	Hs.33636	ESTs	2.69
30	424541	AW392551	Hs.180559	ESTs, Weakly similar to A56194 thromboxa	2.68
	446899	NM_005397	Hs.16426	podocalyxin-like	2.68
	418031	AA648744	Hs.269493	ESTs	2.68
	453902	BE502341	Hs.3402	ESTs	2.68
	405121			mitogen-activated protein kinase B inter	2.68
35	410163	AF151977	Hs.59260	NTT5 protein	2.67
	429632	AW196336	Hs.148910	ESTs	2.67
	437191	NM_006846	Hs.331555	serine protease inhibitor, Kazal type, 5	2.67
	456004	AW850303		gb:IL3-CT0219-191199-030-F09 CT0219 Homo	2.67
	444933	NM_016245	Hs.12150	retinal short-chain dehydrogenase/reduct	2.67
40	401113			solute carrier family 22 (organic cation	2.66
	419462	AF071076	Hs.112255	nucleoporin 98kD	2.66
	407635	AW370213	Hs.295232	ESTs, Moderately similar to A46010 X-lin	2.66
	419175	AW270037		KIAA0779 protein	2.66
	408988	AL119844	Hs.49476	Homo sapiens clone TUAS Cri-du-chat regi	2.66
45	452721	AJ269529	Hs.301871	solute carrier family 37 (glycerol-3-pho	2.66
	430592	AJ224864	Hs.9688	leukocyte membrane antigen (IRC1)	2.65
	446830	BE179030		Human DNA sequence from clone RP5-1174N9	2.64
	433327	AI674779	Hs.126744	ESTs	2.64
	424868	AI688170	Hs.96886	ESTs	2.64
50	429854	R55608	Hs.99472	ESTs	2.63
	427080	AW068287	Hs.301175	ras-related C3 botulinum toxin substrate	2.63
	456711	AA033699	Hs.83938	ESTs, Moderately similar to MAS2_HUMAN M	2.63
	419777	D60134	Hs.270975	ESTs	2.63
	414577	AI056548	Hs.72116	hypothetical protein FLJ20992 similar to	2.62
55	427596	AA449506	Hs.270143	extracellular glycoprotein EMILIN-2 prec	2.62
	452445	AB002438	Hs.28996	Homo sapiens mRNA from chromosome 5q21-2	2.62
	447482	AB033059	Hs.18705	KIAA1233 protein	2.62
	419110	AA234171	Hs.187626	ESTs	2.62
	450353	AI244661	Hs.103296	ESTs, Weakly similar to S65657 alpha-1C-	2.62
60	419828	TB1422	Hs.14922	ESTs	2.62
	427202	BE272922	Hs.173936	interleukin 10 receptor, beta	2.62
	412491	W31599	Hs.73957	RAB5A, member RAS oncogene family	2.61
	436496	AA281959	Hs.6210	glia maturation factor, gamma	2.61
	435053	AW629386		ESTs	2.61
65	435029	AF167706	Hs.19280	cysteine-rich motor neuron 1	2.61
	425976	C75094	Hs.334514	NG22 protein	2.60
	412561	NM_002286	Hs.74011	lymphocyte activation gene 3	2.60
	430539	AK001489		ADP-ribosylation factor-like 1	2.60
	419825	AT754011	Hs.7326	ESTs	2.59
70	412577	Z22968	Hs.74076	CD163 antigen	2.58
	425894	AW954011	Hs.180711	ESTs	2.58
	410883	D43767	Hs.66742	CCL17 chemokine (TARC) (SCYA17)	2.58
	441028	AI333660	Hs.17558	Homo sapiens cDNA FLJ14446 fis, clone HE	2.58
	413949	AA316077	Hs.75639	Human TB1 gene mRNA, 3' end	2.58
75	434943	AI929819	Hs.92909	chromosome 21 open reading frame 50	2.58
	443605	H06865	Hs.134131	ESTs	2.57
	426017	AL119305	Hs.26409	ESTs	2.57
	440334	BE276112	Hs.7165	zinc finger protein 259	2.56
80	426075	AW513691	Hs.270149	ESTs, Weakly similar to 2109260A B cell	2.56
	425345	AJ077297	Hs.155894	protein tyrosine phosphatase, non-recept	2.56
	407174	T79838	Hs.77062	leukocyte immunoglobulin-like receptor,	2.56
	443834	AI741510	Hs.173548	ESTs	2.55
	427557	NM_002659	Hs.179657	plasminogen activator, urokinase recepto	2.55
	420539	AA282736	Hs.44004	AD031 protein	2.55

5	421177	AW070211	Hs.102415	Homo sapiens mRNA; cDNA DkFZp586N0121 (f	2.54
	437952	D63209	Hs.5944	solute carrier family 11 (proton-coupled	2.54
	422594	AW891802	Hs.296276	ESTs	2.54
	411992	AW816214	Hs.143055	ESTs	2.54
	451180	H61899	Hs.171937	steroid dehydrogenase-like	2.54
	415775	H00747	Hs.29792	ESTs, Weakly similar to I38022 hypotheti	2.53
	429752	H52348	Hs.36636	ESTs	2.53
	414612	BE274552	Hs.76578	protein inhibitor of activated STAT3	2.53
10	453329	T97205	Hs.193400	ESTs, Weakly similar to 2109260A B cell	2.53
	436503	AJ277750	Hs.183924	ubiquitin associated and SH3 domain cont	2.52
	445811	A1985987	Hs.145545	ESTs, Moderately similar to ALU1_HUMAN A	2.52
	433332	A1367347	Hs.44898	Homo sapiens clone TCCCTA00151 mRNA sequ	2.52
	435943	R60184	Hs.31141	Homo sapiens mRNA for KIAA1558 protein,	2.52
	452253	AA928891	Hs.28608	Homo sapiens cDNA: FLJ22115 fis, clone H	2.52
15	442508	BE566411	Hs.41726	ESTs	2.52
	419972	AL041465	Hs.182982	golgin-87	2.52
	431074	BE072772	Hs.8997	ESTs, Moderately similar to A46010 X-link	2.52
	449129	A1631602	Hs.258949	ESTs	2.52
	440524	R71264	Hs.16798	ESTs	2.61
20	419203	AA488719	Hs.190151	ESTs	2.61
	404370			Target Exon	2.51
	432828	AB042326	Hs.287402	chondroitin 4-sulfotransferase	2.51
	439219	N33683	Hs.41322	ESTs	2.51
25	428044	AA093322	Hs.301404	RNA binding motif protein 3	2.50
	433681	A1004377	Hs.200360	Homo sapiens cDNA FLJ13027 fis, clone NT	2.50
	437644	AA748575	Hs.136748	lectin-like NK cell receptor	2.50
	442566	R37337	Hs.12111	ESTs	2.50
	409317	U20165	Hs.53250	bone morphogenetic protein receptor, typ	2.50
30	450506	NM_004460	Hs.418	fibroblast activation protein, alpha	2.50
	447484	AA464839	Hs.292566	hypothetical protein FLJ14697	2.50
	415185	AW887604	Hs.78065	complement component 7	2.50
	435284	AA679470	Hs.96849	Homo sapiens cDNA FLJ11492 fis, clone HE	2.50
35	TABLE 38B:				
	Pkey:	Unique Eos probeset identifier number			
	CAT number:	Gene cluster number			
	Accession:	Genbank accession numbers			
40	Pkey	CAT Number	Accession		
	412654	1350_1	BG743181 AI830050 BE695686 AA126591 AI903503 R26045 N62894 N63950 AA131619 A1681480 N79626 AA461603 R78979 AW608865 N66622 BF448836 AA779000 AA460314 AI092721 AI870182 AI438284 AI494151 AI127704 AI127702 BE349350 AI093480 AA115264 AA131587 R26840 R78885		
45	433691	2203511_1	AI223854 AI129852 AA060102		
	436729	6824_1	X75684 AL573167 AI445461 AI453743 AI983655 AI564644 AA977180 AI694111 AI591358 AW071625 AI678712 AI720939 AI927769 BE439796 AI963432 AA282956 AW192593 AI865838 AI869605 AI424384 AI161312 AI911921 AI597801 BI494959 AI240986 AI482554 AW262737 BE044033 AW008570 AW829505 BI494958 AA088439 AA705057 BF222820 BF593608 BE501957 AA524526 BE044134 AW572531 AW015724 BE349186 AA043217 BE218784 AI798814 AA129575 AI671721 AI470033 BE646195 AW779725 AA903060 AA147228 AA404570 AI075878 W38181 AI972739 AW673152 AA723200 C06123 BF057147 AA627686 AA157944 AI990245 AA662517 T32487 AI800106 AI333170 AI859160 W45410 AI890827 AW275048 AI182640 AA478328 AI258936 AW085158 AW471421 AW103470 AW300456 AW191997 AI823466 AA962397 AA136658 AI251817 AW339104 AA724739 AA411100 AA191349 AA757735 AA037696 AI769516 AW772283 AA010631 AI692846 AI061065 H00983 R79933 AI950693 AI245632 AI349390 AA148284 AI798502 AA487893 AI621320 AW194272 C06365 AA953883 BE868936 AI918523 AI872628 AI927217 AI453453 AI189366 AW338678 AI281359 AI500576 BF477735 AI032569 AI972899 AI985583 Z28771 AI363829 AI693030 AA603586 BE773488 AW393301 BE773489 BE773492 BE773495 AI650338 BE773499 AI745717 BE811475 BE811470 BE811464 BE811418 BE811415 BE811400 BE811398 BE811388 BE811352 BE773501 BE773494 BE773486 BE773474 BE773473 BE773470 BE773461 BE811350 BE811337 BF593847 BG055071 AW675302 BF003068 AA718173 BE811348 AI682462 AI686240 BE773500 AI244845 AI566439 AI918453 AI472527 AI464740 AA035578 AA191414 AW674145 C05782 AI589264 D57558 AI468237 AI432033 AA989662 R21752 BF002457 AA986297 AL574095 AL576200 AL571074 AL574525 AL578810 BG498381 AI928364 BE879732 AA479834 AA479712 C17732 BM091258 BF843901 AW802020 C17476 BE327120 AA129574 AA136645 BF843900 AW806193 AA502832 AA649494 AI568520 AL547960 BE706937 BE811360 BE773498 BE811401 BE773484 BE811437 BE811380 BE811399 BF997171 BF757734 BE926037 AI377598 C06111 AW088968 BE811404 BE811472 AI865912 AI925807 AI871950 AI093510 BE905927 BE811436 AA191387 AW772000 BE811453 BE614379 BF844522 BI044896 AI744233 AW984527 C17504 BF843883 AI248307 BE773483 AI587985 W80075 BF941183 AI738844 BE811458 BE773481 AI262930 AA948665 BE706942 BE166360 T65026 AW242968 AW107954 BE905184 AA722206 AI344943 AI348877 AI334860 BE621857 BE168280 AA454099 AA037722 BF843897 AW806183 AA043216 BG482695 AA182734 AA877242 AW372925 H27252 R38114 BF851858 BE156214 AA190427 T91762 AA035067 AA837328 T10930 BF906587 BI755027 BG608731 BC008442 BC010168 AL560134 AL563086 AL548700 AL550751 AL547978 AL545286 AL540643 AU118627 AL601379 BI259821 BG741786 BI868522 AU135866 BI552770 BI259210 BI255520 BI255569 BG485098 BI258228 BG498501 BM044512 AU133984 AL556588 BE745111 BI222633 AU133917 BG288151 BI260715 BI550560 BG500773 BI581781 BG707601 BI818693 BF691383 BG721129 BG541578 BE906688 BG751098 BI224135 BG400746 BG478085 BE790436 AW080238 AU137549 BG428896 BE924486 AW861686 BG721056 BE908365 BE546658 BG541235 AW583735 BG528290 BI260895 AW651691 BM048974 BM043805 BG142105 AA315188 AI446615 C06300 BG497644 AA088544 AI815987 BG528631 BE619182 AW239185 AW062910 AW082902 AA347236 F11933 AA488005 AA301831 AA376900 D56120 AA343532 AA308630 FD0242 AA376086 AA316988 AA343799 BI870221 BE910282 BG538748 AW860564 AV732879 D16854 AA192519 BF922148 AA216013 BG624091 BE544387 BG507008 AW176446 BF790033 BE088925 BE088854 AA921353 R21800 AA011222 T97525 BI754027 BF696071 AI351989 BG151298 AI919334 AI401620 BI770165 W72057 T96158 T29478 AA181252 BG927793 AA714431 AA600749 AA181247 AA614766 AA081092 H52207 BG926934 BF222579 BG699001 N64245 AA963040 AI832408 AA102441 BG928081 AA983445 AA916041 AA987847 AA988329 AA737219 AA916443 AW128994 AI492560 AI761847 BC006272 NM_000800 X53331 M68549 BI758966 AL598829 BI754530 BG699770 BE439699 BE440148 AV704365 AV733652 BG212015 BG184149 BG200180 BG212690 BI761222 BG182079 AW338822 AI925631 AI423041 AW071181 AI869836 AW129112 BG925339 AI017633 AA568864 BF725590 AI004210 AI809799 BE083097 BG896220 AW997681 BF668788 BE083134 AW631281 BG193052 BG183095 BE440088 BG185728 AI499579 AA188162 AA864282 BI493352 AA155854 AA836749 AA836844 AA985478 AW082299 AI816747 AA450221 AA971294 BE327509 AI719662 BG576669 AI479382 BF824747 AI741800 BG982962 AI088473 AA916151 AW473324 BG901177 BE439998 AW023269 BE813871 AW999947 BE839108 AV707983 AA369722 AW796527 AW890608 AI341771 AA302459 BI493353 AA366332 AA371104 AA367277 AL547972 BG928011 AI678903 AI699886 AI956165 AA484893 AA843953 AW591063 BG203275 BG211093 AI334791 AA916589 AW058266 AI362370 AI143352 AA508721 AI928079 D57214 BE045265 AA541785		

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BG219510 BG201686 BG195572 AW019904 AW089242 AA953322 AI686698 F27562 AA614749 D56645 F20774 F30660 F25646 AW023542
 AA827300 AA582214 AI701289 AA228293 AI906950 AA230156 AA384572 AW438988 AA742516 BI450938 AA731082 BF665869 BG190518
 AV704158 BE439643 AA910666 AA156913 AA923097 AA975721 AA955555 BG927032 AA948389 AA451625 AA916141 AL572719 AV707258
 AW083733 AA128053 AI953789 AI911993 AA421798 BG429150 AI915306 Z30130 AA126929 BG926630 AA081013 AA553696 AA916094
 BG924321 AI039722 AI954968 AI372839 AI401406 AI538215
 AI422419 AA514370 AI741678 AI735482 AI735081 AI371436
 AW850587 AW850589 AW860318 AW850303
 AB018322 BC012480 BI524673 AW665554 AI934469 AI479916 BF096179 BF096162 BF096132 AA744972 AI951988 AI858339 BE076331
 AA869598 AI570585 AI916688 AI678811 AI693109 AI308135 AA669046 AA961064 AI018062 H80518 BE221942 R52609 AI915184 AA365626
 Z44671 BI052776 BF882486 BG286184 AI589558 AA931663 AA534979 AI275392 AI273455 R52553 AA829920 H80652 AA360728 F10618
 AW953666 AW176773 H85527 AA765570 AA081927 BF093282 BG743753 AL037576 AA534314 BE814964 BE973713 N49493 BE006634
 BE006630 AW270037 AA234765 AI334004 BF057179 AI867450 AI341191 AI434143 AI917449 AWS17207 AA255424 AW008334 AA847572
 AA994211 AA861901 AA581873 AI580157 AI384353 AW242357 AW235291 N56645 AA319869 R36911 AA256561 AW044188 AI203159 N49403
 F02090 AI187299 AI609644 Z40518 AW952314
 BC020595 BI488430 BG188023 BE179030 AW294203 BF849776 AA459064 AI917452 AW403072 W27419 BF914568 BF798468 AW370558
 T35055 AW370623 AA399232 AA214221 AW802987 BF902226 AW370622 BF818597 AW370567 BF914313 AW954040 BF060706 AA194237
 T25074 C01285 BI489433
 AI332638 AA663215 AW529386
 AK001489 AU129447 BF959274 BG565452 AI245327 AU116848 BF358569 BF358554 BF358570 BG678119 AL515852 AU154607 AI357587
 AW874359 AI122554 AA405478 AI091013 AI866679 AI686163 AA652158 AA911580 D31095 AI302576 BF568781 AU151560 AU143828 AI291810
 AW169600 D31161 AA905352 C21179 BE327258 D31474 AW439053 D31309 BF756901 BI838626 BF979839 AU149562 BM142116 AU156455
 AA452028 AW473972 AW68490 AA410271 AI475844 BF821859 AA668188 AI360390 AA226320 F37355 F27660 F36093 AA152126 BF930021
 BF375775 AW821784 AW975085 W16475 D31031 BG696392 AW860676 AW752864 BI013705 BF865715 BF326504 AW821786

TABLE 38C:

Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) *Nature* 402:489-495.
 Strand: Indicates DNA strand from which exons were predicted.
 NL_position: Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	NL_position
406617	8439868	Plus	36430-36552
401958	3258613	Plus	108411-108629
405121	8102330	Minus	35816-36004,36587-36684
401113	9966541	Minus	19419-19959
404370	7631003	Plus	127868-128244

TABLE 40A: 656 genes upregulated in fibrosis relative to normal body tissues

Table 40A lists about 656 genes upregulated in fibrosis relative to normal body tissues that are likely to encode proteins amenable to modulation by small molecules, peptides, or antibodies. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of having oncogenic function or of transducing intracellular signals, or of being modifiable by small molecules, peptides, or antibodies (e.g. kinase, death-domain, 7tm, phosphatase, or ion_transporter). Certain predicted protein domains are noted.

Pkey: Unique Eos probeset identifier number
 ExAcn: Exemplar accession number, GenBank accession number
 UniGeneID: UniGene number
 Pred.Prod.Domains: Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from Pfam (Nucleic Acids Research, 2002, 30:276-280).
 UniGene Title: UniGene gene title
 R1: 95th percentile of fibrosis AIs divided by the 50th percentile of normal tissue AIs, where the 10th percentile of all normal tissue AIs was subtracted from both the numerator and denominator

Pkey; ExAcn; UniGeneID; UniGene Title; Pred.Prod.Domains; R1

442275; AW449467; Hs.54795; Homo sapiens secretoglobulin, family 3A, m; Uteroglobulin; TM=M; SS=Y; 39.47
 428434; AW363590; Hs.65551; Homo sapiens, similar to DNA segment, Chr; LBP_BPL_CETP_C; TM=M; SS=Y; 32.35
 439335; AA742697; Hs.62492; NM_052863; Homo sapiens secretoglobulin, fa; none; 28.49
 406864; M21305; ; FGENES predicted novel secreted protein; none,none; 27.90
 425211; M18667; Hs.1887; progastrin (pepsinogen C); asp; TM=M; SS=M; 27.90
 441835; AB036432; Hs.184; advanced glycosylation end product-spec; homeobox, Acyltransferase, notch, EGF, ank, Acyltransferase; 27.23
 446921; AB012113; Hs.16530; small inducible cytokine subfamily A (C); IL8; 24.87
 428330; L22624; Hs.2256; matrix metalloproteinase 7 (matrilysin); Peptidase_M10; 24.38
 431723; AW058360; Hs.278966; Homo sapiens mRNA; cDNA DKFZp564B2082 (f; PMP22_Claudin, none; 23.35
 409153; W03754; Hs.50813; hypothetical protein FLJ20022; fibrinogen_C; 23.29
 431089; BE041395; Hs.374629; ESTs, Weakly similar to unknown protein; none, none; 18.23
 426371; D49441; Hs.155981; mesothelin; none; TM=M; SS=M; 18.17
 448133; AA723157; Hs.73789; folate receptor 1 (adult); Folate_rec, MIP; TM=M; SS=M; 17.64
 421502; AF111856; Hs.105039; solute carrier family 34 (sodium phospho; Ribosomal_L20, Na_P1_cotrans; TM=Y; SS=N; 17.33
 421798; N74880; Hs.355462; N-acetylglucosamine amidohydrolase (acid c; SAPA, Surfactant_B, none; 16.81
 419556; U28615; Hs.91093; chitinase 1 (chitinobiosidase); Glyco_hydro_18, CBM_14; TM=M; SS=Y; 16.24
 415082; J05591; Hs.89603; mucin 1, transmembrane; SEA; TM=Y; SS=M; 16.06
 426174; AA547959; Hs.115838; Homo sapiens similar to Echinoidin (LOC1; none, none; 15.84
 406672; M26041; Hs.188263; major histocompatibility complex, class ; ig, MHC_II_alpha; TM=M; SS=N; 15.42
 421110; AJ250717; Hs.1355; cathepsin E; asp; 15.08
 444342; NM_014398; Hs.10887; similar to lysosome-associated membrane ; Lamp; TM=Y; SS=M; 14.94

- 406621; X57809; Hs.181125; immunoglobulin lambda locus; ig; HSP70, Ppx-GppA; TM=M; SS=N; 14.36
 443709; A1082692; Hs.134662; ESTs; SNF, fn3, none; 14.05
 428970; BE276891; Hs.194691; retinoic acid induced 3 (RAIG1); metabo; 7tm_3; TM=Y; SS=M; 13.88
 457200; U33749; Hs.197764; thyroid transcription factor 1; homeobox; TM=M; SS=N; 13.86
 432519; A1221311; Hs.130704; ESTs, Weakly similar to BCHUA S-100 pro; none, none; 13.82
 422355; AW403724; Hs.300697; coagulation factor VII (serum prothromb); none, ig; 13.62
 430280; AA361258; Hs.237868; interleukin 7 receptor; fn3, none; 13.47
 415457; AW081710; Hs.7369; Homo sapiens testes specific A2 homolog; MORN, sugar_lr; TM=Y; SS=M; 13.35
 431164; AA493650; Hs.94367; thyroid transcription factor 1; none, homeobox; 13.32
 414998; NM_002543; Hs.77729; oxidised low density lipoprotein (lectin; lectin_c; TM=Y; SS=M; 12.83
 400269; Hs.253495; Eos Control; lectin_c, Collagen, Xlnk; 12.30
 424310; AA338648; Hs.50334; testes development-related NYD-SP22; none; TM=M; SS=N; 11.81
 451558; NM_001089; Hs.26630; ATP-binding cassette, sub-family A (ABC1; ABC_tran, SRP54; TM=Y; SS=M; 11.79
 452304; AA026386; Hs.61311; ESTs, Weakly similar to S10590 cysteine; none, none; 11.68
 445537; A1245671; Hs.12844; EGF-like domain, multiple 6; EGF, MAM; 11.56
 423776; Y09267; Hs.132821; flavin containing monooxygenase 2; FMO-like, pyr_redox; TM=Y; SS=M; 11.41
 414812; X72755; Hs.77367; monokine induced by gamma interferon; IL8; TM=M; SS=Y; 11.31
 430632; A1073913; Hs.100888; ESTs, Weakly similar to JEO350 Anterior; none, none; 11.25
 407910; AA650274; Hs.41296; fibronectin leucine rich transmembrane p; fn3, LRR, LRRCT, LRRNT; TM=Y; SS=M; 11.15
 451497; H83294; Hs.284122; Wnt inhibitory factor-1; EGF, WIF; 11.07
 430260; NM_018929; Hs.283021; chloride intracellular channel 5; none; TM=M; SS=N; 11.07
 411020; NM_006770; Hs.67728; macrophage receptor with collagenous str; SRCR, Collagen; TM=Y; SS=M; 11.05
 44619; A1076643; Hs.313; secreted phosphoprotein 1 (osteopontin; Osteopontin; 11.01
 438091; AW373082; Hs.351546; nuclear receptor subfamily 1, group 1, m; hormone_rec, zfc4, none; 10.97
 413048; M93221; Hs.75182; mannose receptor, C type 1; fn2, lectin_c, Ricin_B, lectin, Xlnk; TM=Y; SS=M; 10.93
 432231; AA339877; Hs.274127; CLST 11240 protein; none; TM=M; SS=M; 10.81
 416402; NM_000716; Hs.1012; complement component 4-binding protein; eushi; TM=M; SS=M; 10.77
 418156; W17056; Hs.83623; nuclear receptor subfamily 1, group 1, m; hormone_rec, zfc4, none; 10.63
 436553; AW407157; Hs.181125; immunoglobulin lambda locus; ig; HSP70, Ppx-GppA; TM=M; SS=N; 10.58
 421071; A1311238; Hs.104476; ESTs, Weakly similar to CGHU1E collagen; none; TM=Y; SS=M; 10.57
 418007; M13509; Hs.83169; matrix metalloproteinase 1 (interstitial; hemopexin, Peptidase_M10, Astacin, PG_binding_1; 10.33
 419086; NM_000216; Hs.89591; Kallmann syndrome 1 sequence; fn3, wapp; 10.30
 407788; AA687538; Hs.38972; tetraspan 1; transmembrane4; TM=Y; SS=M; 10.28
 441384; AA447849; Hs.286650; retinoic acid induced 3; 7tm_3, none; 10.26
 453914; NM_000507; Hs.574; fructose-1,6-bisphosphatase 1; FBPase; TM=M; SS=N; 10.22
 435523; T62849; Hs.11090; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=M; 10.09
 423354; AB011130; Hs.127438; calcium channel, voltage-dependent, alphi; vwa, Cache; TM=M; SS=N; 10.03
 415323; BE269952; Hs.949; neutrophil cytosolic factor 2 (65kd, chr; SH3, TPR; TM=M; SS=N; 10.02
 408562; A1435323; Hs.31141; roundabout (axon guidance receptor, Dros; ig, fn3; TM=M; SS=N; 10.02
 448782; A1050295; Hs.362806; KIAA0758 protein; 7tm_2, ig, GPS, SEA; TM=Y; SS=N; 9.86
 419235; AW470411; Hs.268433; neurotrophin; none, none; 9.79
 415992; CD5837; Hs.145807; hypothetical protein FLJ13593; none; TM=Y; SS=M; 9.74
 418883; BE387036; Hs.1211; acid phosphatase 5, tartrate resistant; Metallophos; TM=M; SS=M; 9.70
 439018; AW300887; Hs.28638; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=M; 9.69
 42652; A1005163; Hs.201378; Homo sapiens cDNA FLJ40427 fis; none; TM=M; SS=N; 9.68
 446291; BE397753; Hs.14623; interferon, gamma-inducible protein 30; GILT; TM=M; SS=Y; 9.64
 408380; AF123050; Hs.44532; diubiquitin; ubiquitin; TM=M; SS=N; 9.54
 438089; W05391; Hs.361546; nuclear receptor subfamily 1, group 1, m; hormone_rec, zfc4, none; 9.52
 449494; AW237014; Hs.315369; aquaporin 4; MIP, none; 9.51
 458062; A1866286; Hs.71962; ESTs, Weakly similar to B36298 proline-r; none, none; 9.42
 446426; AW082270; Hs.12496; ESTs, Weakly similar to ALU4_HUMAN ALU S; none, none; 9.41
 421952; AA300900; Hs.98849; dynein light chain 2B (DNLC2B); none, none; 9.19
 407949; W21874; Hs.247057; ESTs, Weakly similar to 2109260A B cell; Ribosomal_S14, ank, pkinase, death, none; 9.16
 456034; AW450979; ; gb; LI-H-B13-ala-a-12-O-ULs1 NCL_CGAP_Su; none, none; 9.15
 407788; BE514982; Hs.38991; S100 calcium-binding protein A2; ethanol_S_100, S_100, ethanol; 9.15
 416955; N26223; Hs.160436; MDAC1; none; NA; NA; 9.03
 443324; R44013; Hs.164225; ESTs; none, none; 9.03
 435575; AF213457; Hs.44234; triggering receptor expressed on myeloid; ig; TM=Y; SS=M; 9.00
 440273; A1805392; Hs.325335; Homo sapiens cDNA: FLJ23523 fis, clone L; none, none; 8.99
 424527; AW138558; Hs.334673; ESTs, Weakly similar to 154374 gene NF2; Zn_cerb, Opepl, none; 8.80
 409203; AA780473; Hs.687; cytochrome P450, subfamily IVB, polypept; p450; TM=M; SS=Y; 8.76
 423367; A1012074; Hs.348500; vasoactive intestinal peptide receptor 1; 7tm_2, HRM, CSD; TM=Y; SS=M; 8.74
 443907; AU076484; Hs.9963; TYRO protein tyrosine kinase binding pro; none; TM=M; SS=Y; 8.73
 425367; BE271188; Hs.155975; protein tyrosine phosphatase, receptor t; none; TM=M; SS=Y; 8.68
 418918; X07871; Hs.89476; CD2 antigen (p50), sheep red blood cell; ig; TM=Y; SS=M; 8.56
 421563; NM_006433; Hs.105806; granulysin; none; 8.55
 450726; AW204600; Hs.355462; HUMPSFBA Human pulmonary surfactant-asso; 8APA, Surfactant_B, none; 8.51
 416693; AA133749; Hs.301350; FXD domain-containing ion transport reg; ATP1G1_PLM, MAT8; TM=Y; SS=M; 8.51
 424450; A1137526; Hs.374425; dynein intermediate chain 2; WD40; 8.42
 402474; ; NM_004079; Homo sapiens cathepsin S (CTSS; Peptidase_C1; 8.41
 458079; A1798870; Hs.54277; Homo sapiens similar to RIKEN cDNA 28100; none; TM=M; SS=N; 8.40
 424779; A1046851; Hs.153053; CD37 antigen; transmembrane4; TM=Y; SS=M; 8.36
 453310; X70597; Hs.553; solute carrier family 6 (neurotransmitter; SNF, 5HT_transporter; TM=Y; SS=N; 8.34
 448140; AF146761; Hs.20450; BCM-like membrane protein precursor; ig; TM=Y; SS=N; 8.33
 404240; ; NM_018950; Homo sapiens major histocompat; ig, MHC_k; TM=Y; SS=M; 8.28
 459702; A1204985; ; gb; ar03c03.x1 Stralagens schizo brain S1; none, none; 8.17
 449523; NM_006579; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1; TM=Y; SS=M; 8.17
 442994; A1026718; Hs.16954; ESTs; ank, pkinase, death, Ribosomal_S14; 8.12
 446998; N99013; Hs.278966; Homo sapiens mRNA; cDNA DKFp564B2062 f; PMP22_Claudin, none; 8.07
 420137; AA305478; Hs.95327; CD3D antigen, delta polypeptide (TTC co; ITAM; TM=Y; SS=M; 8.01
 435472; AW972330; Hs.283022; triggering receptor expressed on myeloid; ig; TM=M; SS=M; 7.99
 432441; AW292425; Hs.163484; Intron of hepatocyte nuclear factor-3 at; Fork_head, none; 7.99
 409208; Y00093; Hs.172631; Integrin, alpha X (antigen CD11C (p150); vwa, FG-GAP, Integrin_A, vwa, integrin_A, FG-GAP; 7.94

- 432606; NM_002104; Hs.3068; granzyme K (serine protease, granzyme 3; trypsin; TM=Y; SS=M; 7.92
442832; AW205560; Hs.253569; ESTs; none, none; 7.90
412104; AW205197; Hs.240951; Homo sapiens, Similar to RUKEN cDNA 2210; none; TM=M; SS=N; 7.89
427337; Z46223; Hs.176863; Fc fragment of IgG, low affinity IIb, r; Ig; TM=Y; SS=M; 7.86
443951; F13272; Hs.358835; ferritin, light polypeptide; PMP22_Claudin, none; 7.84
418299; AA279530; Hs.83968; Integrin, beta 2 (antigen CD18 (p85), ly; integrin_B, EGF, PSI; TM=Y; SS=M; 7.79
447131; NM_004585; Hs.17468; retinol acid receptor responder (tazaro; none; TM=Y; SS=N; 7.78
423961; D13686; Hs.136348; perlestin (OSF-2os); Fasciclin; TM=M; SS=M; 7.73
424917; A1636208; Hs.96901; hypothetical protein FLJ23049; none; TM=M; SS=N; 7.72
438564; AA381553; Hs.198253; major histocompatibility complex, class I; ig, MHC_II_alpha, none; 7.65
456672; AK002016; Hs.114727; Homo sapiens, clone MGC:16327, mRNA, com; none, PK, PK_C, myosin_head, RhoGAP; 7.64
427792; M63928; Hs.180841; tumor necrosis factor receptor superfamily; SRP14, TNFR_c6; 7.63
436954; AA740151; Hs.130425; ESTs; none, none; 7.58
429732; U20158; Hs.2488; lymphocyte cytosolic protein 2 (SH2 dom; SH2; 7.56
407601; AC002300; Hs.37129; sodium channel, nonvoltage-gated 1, beta; ASC; TM=Y; SS=M; 7.55
417105; X60992; Hs.81226; CD6 antigen; SRCR; TM=Y; SS=M; 7.51
414821; M63836; Hs.77424; Fc fragment of IgG, high affinity Ia, re; Ig; TM=Y; SS=M; 7.46
444381; BE387335; Hs.283713; hypothetical protein BC014245; Collagen; TM=M; SS=M; 7.40
432222; AJ204955; ; gbran03c03.x1 Stratagene schizo brain S1; none, none; 7.38
422667; H25642; Hs.132821; ESTs; FMO-like, FMO-like; 7.37
444527; NM_005408; Hs.11383; small inducible cytokine subfamily A (Cy; IL8; 7.36
457411; AW085961; Hs.130093; irquois-class homeobox protein IRX2; none, none; 7.32
439237; AW408158; Hs.318893; ESTs, Weakly similar to A47582 B-cell gr; Furin-like, kinase, Recep_L_domain, YLP, none; 7.32
419231; AL046294; Hs.136245; ESTs, Weakly similar to T17227 hypotheti; none, none; 7.30
438873; AJ302471; Hs.124292; Homo sapiens cDNA: FLJ23123 fis, clone L1; none, none; 7.27
424027; AW337575; Hs.201591; ESTs; 7tm_2, HRM, none; 7.28
428927; AA441837; Hs.90250; Homo sapiens hypothetical protein FLJ231; none, none; 7.24
432435; BE218886; Hs.282070; ESTs; none, none; 7.22
428467; AK002121; Hs.184465; hypothetical protein FLJ11259; none; TM=Y; SS=M; 7.21
416030; H15261; Hs.21948; ESTs; none, none; 7.20
433293; AF007835; Hs.32417; hypothetical protein MGC2742; none; TM=M; SS=N; 7.18
418741; H83266; Hs.8881; ESTs, Weakly similar to S41044 chromosom; pkinase, Activn_rec, pkinase, Activn_rec; 7.16
420556; AA279088; Hs.187636; ESTs; none, none; 7.14
427698; AW972594; Hs.335499; ESTs; none, none; 7.11
432268; BE311858; Hs.274230; 3-phosphoadenosine 5'-phosphosulfate sy; APS_kinase, ATP-sulfonylase; TM=M; SS=N; 7.06
413859; AW992356; Hs.8384; Homo sapiens pyruvate dehydrogenase kin; SAM_PNT, none; 7.04
430413; AW842182; Hs.241392; small inducible cytokine A5 (RANTES); IL8; TM=M; SS=Y; 7.04
452363; A1582743; Hs.94853; Homo sapiens, Similar to complement comp; C1q, Collagen; 7.03
421481; AW391972; Hs.104696; KIAA1324 protein; none; TM=M; SS=M; 7.01
418945; BE246752; Hs.89499; arachidonate 5-lipoxygenase; lipoxygenase, PLAT; TM=M; SS=N; 6.97
452281; T93500; Hs.26792; Homo sapiens cDNA FLJ11041 fis, clone PL; TGF-beta, none; 6.96
458124; AW005548; Hs.124590; ESTs; none, none; 6.94
422846; BE513934; Hs.1583; neutrophil cytosolic factor 1 (47kD, chr; SH3, PX; TM=M; SS=N; 6.93
411027; AF072039; Hs.67846; leukocyte immunoglobulin-like receptor; ; inositol_P, Ig; TM=M; SS=N; 6.92
428820; AA436187; Hs.172651; integrin, alpha M (complement component; vwa, Integrin_A, FG-GAP; TM=Y; SS=M; 6.90
423575; C18863; Hs.163443; intron of perlestin (OSF-2os); Fasciclin, none; 6.89
419430; NM_006144; Hs.80708; granzyme A (granzyme 1, cytotoxic T-lymp; trypsin; TM=M; SS=M; 6.89
450954; A1904740; Hs.25691; receptor (calcitonin) activity modifying; none; TM=Y; SS=M; 6.87
425976; C75094; Hs.334514; NG22 protein; voltage_CLC; TM=Y; SS=M; 6.84
425556; AA359291; Hs.130767; Homo sapiens cDNA: FLJ23553 fis, clone L; LRR; TM=M; SS=N; 6.81
414991; C17898; ; Homo sapiens up-regulated by BCG-CWS (LO; Zip, none; 6.80
410342; R31350; Hs.743; Fc fragment of IgE, high affinity I, rec; ITAM; TM=Y; SS=M; 6.80
422163; AF027208; Hs.112360; prominin (mouse)-like 1; none; TM=Y; SS=M; 6.79
445885; A1734009; Hs.127699; KIAA1603 protein; none, none; 6.77
436576; A1458213; Hs.77542; ESTs; 7tm_1, Dna; 6.77
417079; U65590; Hs.81134; Interleukin 1 receptor antagonist; IL1; 6.76
424711; NM_005795; Hs.152176; calcitonin receptor-like; 7tm_2, HRM; TM=Y; SS=M; 6.75
416847; L43821; Hs.80261; enhancer of filamentation 1 (cas-like do; SH3; TM=M; SS=N; 6.73
425251; M24283; Hs.168383; intercellular adhesion molecule 4 (CD54); Ig, ICAM_N; TM=M; SS=M; 6.71
417929; R27215; Hs.74647; Human T-cell receptor active alpha-chain; Ig, abhydrolase; 6.70
412584; X54870; Hs.74085; DNA segment on chromosome 12 (unique) 24; none, lectin_c; 6.70
428227; AA321649; Hs.2248; small inducible cytokine subfamily B (Cy; IL8; TM=M; SS=Y; 6.68
421445; AA913059; Hs.104433; Homo sapiens, clone IMAGE:4054868, mRNA; lon_trans, K_telra, asp; 6.65
439750; AL359053; Hs.57664; Homo sapiens mRNA full length insert cDN; IMPDH_L, IMPDH_N, CBS, integrin_B, Ricin_B, lectin; 6.62
428582; BE336699; Hs.185055; BENE protein; none; TM=Y; SS=M; 6.60
453142; AA033648; Hs.7473; Homo sapiens gap junction protein, alpha; connexin; TM=Y; SS=M; 6.60
432374; W68815; Hs.301885; Homo sapiens cDNA FLJ11346 fis, clone PL; none, none; 6.56
448569; BE382657; Hs.21486; signal transducer and activator of trans; SH2, STAT, STAT_bind, STAT_prot; TM=M; SS=N; 6.54
424321; W74048; Hs.1765; lymphocyte-specific protein tyrosine kin; SH2, SH3, pkinase; TM=M; SS=N; 6.51
448932; AA961459; Hs.125644; ESTs; none, LRR, LRRNT; 6.50
427247; AW504223; Hs.174103; Integrin, alpha I (antigen CD11A (p180)); vwa, integrin_A, FG-GAP; TM=Y; SS=M; 6.48
425958; AU076829; Hs.165950; fibroblast growth factor receptor 4; Ig, pkinase; TM=M; SS=M; 6.47
447232; AW498834; Hs.327; Interleukin 10 receptor, alpha; none; TM=M; SS=M; 6.46
431745; AW972448; Hs.163425; Novel FGENSEH predicted cadherin repeat; none, none; 6.43
417370; T28651; Hs.374466; tryptophanyl-tRNA synthetase; WHEP-TRS, tRNA-syn_tbc; 6.41
422241; Y00662; Hs.170121; protein tyrosine phosphatase, receptor t; kinesin, fn3_Y, phosphatase; TM=M; SS=N; 6.40
429610; AB024937; Hs.211092; LUNX protein; PLUNC (palate lung and nae; none; 6.39
409340; BE174629; Hs.321130; hypothetical protein MGC2771; aa_permeases, pyridoxal_deC, bromodomain, PHD, MBD, AT_hook, DDT, P13_P14_kinase, FAT, FATC, Bolo, RUN; TM=M; SS=N; 6.37
413385; M34455; Hs.840; indoleamine-pyrrole 2,3 dioxygenase; IDO; TM=M; SS=N; 6.36
451820; AW058357; Hs.199248; ESTs; 7tm_1; TM=Y; SS=M; 6.34
408368; R38438; Hs.118747; SLC15A2 Solute carrier family 15 (H+)-pep; PTR2; TM=Y; SS=N; 6.32
424247; X14008; Hs.234734; lysozyme (renal amyloidosis); lys, Ig, FAD_Synth, lch, lch_C, pkinase; 6.32

- 444090; S69115; Hs.10306; natural killer cell group 7 sequence; PMP22_Claudin; TM=Y; SS=M; 6.31
 416819; U77735; Hs.80205; pim-2 oncogene; pkinase; 6.30
 421655; NM_014459; Hs.106511; protocadherin 17; cadherin; TM=M; SS=M; 6.27
 415198; AW009480; Hs.943; natural killer cell transcript 4; none; TM=M; SS=N; 6.26
 424273; W40460; Hs.144442; phospholipase A2, group X; phoslip; TM=M; SS=Y; 6.24
 429083; Y09397; Hs.227817; BCL2-related protein A1; Bcl-2; TM=M; SS=N; 6.23
 452194; AI694413; Hs.373599; olfactory receptor, family 2, subfamily; none, none; 6.22
 424144; AA454033; Hs.41644; AKAP-associated sperm protein; Rila; 6.21
 414142; AW368397; Hs.334485; hemicanthin (fibulin 6); EGF, Ig, lrp_1, hormone4, squash, TIL, Adeno_E3_CR1; TM=M; SS=M; 6.21
 442008; AW975183; Hs.372210; ESTs, Weakly similar to S72482 hypothet; none, none; 6.20
 420255; U84722; Hs.78205; cadherin 5, type 2, VE-cadherin (vascula; cadherin, Cadherin_C_term; TM=Y; SS=M; 6.19
 421379; Y15221; Hs.103982; small inducible cytolde subfamily B (Cy; IL8; TM=M; SS=Y; 6.17
 440452; AI925136; Hs.55150; ESTs, Weakly similar to CAYP_HUMAN CALCY; none, NA; NA; 6.17
 421462; AF016495; Hs.104624; aquaporin 5; MIP; TM=Y; SS=M; 6.16
 452960; AK001335; Hs.31137; protein tyrosine phosphatase, receptor I; Y_phosphatase; none; 6.15
 410361; BE391804; Hs.62661; guanylate binding protein 1, interferon-; GBP, GBP_C; TM=Y; SS=M; 6.13
 415765; NM_005424; Hs.78824; tyrosine kinase with immunoglobulin and; EGF, fn3, ig, pkinase, laminin_EGF; TM=M; SS=Y; 6.12
 430478; NM_014348; Hs.241535; apolipoprotein L 3; MotA_Ext8; TM=Y; SS=M; 6.12
 413859; NM_000878; Hs.75596; Interleukin 2 receptor, beta; none; TM=Y; SS=M; 6.09
 446808; N75217; Hs.175622; ESTs; Armadillo_seg, HEAT_PBS; TM=M; SS=M; 6.08
 430378; Z29572; Hs.2556; tumor necrosis factor receptor superfam; IL2; 6.08
 426116; AA858729; Hs.144694; ESTs; none, none; 6.06
 445033; AV652402; Hs.72901; cyclin-dependent kinase inhibitor 2B (p1; aric; 6.05
 426721; AA383588; Hs.28845; ESTs, Weakly similar to T29012 hypothet; zf-C2H2; TM=M; SS=N; 6.05
 429228; AI553633; Hs.356828; ESTs; none, none; 6.05
 421757; Z20897; Hs.286259; peroxonase 3; Arylesterase; 6.04
 437669; AI358105; Hs.123164; ESTs, Weakly similar to match to ESTs AA; none, pkinase, pkinase_C; 6.03
 419508; AW997938; Hs.90788; ATP-binding cassette, sub-family C (CFTR; ABC_tran, ABC_membrane; TM=Y; SS=M; 6.02
 428667; AJ375550; Hs.346888; nucleolar protein p40; homolog of yeast; none, none; 6.01
 432731; R31178; Hs.287820; fibronectin 1; fn1, fn2, fn3, none; 5.95
 445566; H95741; Hs.17914; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=M; 5.95
 450656; AA010539; Hs.18912; unnamed protein product; zf-C2H2; 5.94
 418460; M25315; Hs.85258; CD8 antigen, alpha polypeptide (p32); Ig; TM=Y; SS=M; 5.94
 424054; AA334511; Hs.26638; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=M; 5.94
 408048; NM_007203; Hs.42322; A kinase (PRKA) anchor protein 2; Paralemmin; TM=M; SS=N; 5.94
 438670; AI275803; Hs.123428; ESTs; none, NA; NA; 5.91
 424238; AA337401; Hs.137635; ESTs; none; TM=M; SS=M; 5.90
 444143; AW747996; Hs.160999; ESTs, Moderately similar to A56194 throm; Bcl-2, none; 5.89
 423690; AA329548; Hs.23804; ESTs, Weakly similar to PNO099 son3 prot; lon_trans, IQ, none; 5.88
 409799; D11928; Hs.76845; phosphoserine phosphatase-like; Hydrolase; TM=M; SS=N; 5.81
 407239; AA076350; Hs.67846; leukocyte immunoglobulin-like receptor; ; Ig; TM=Y; SS=M; 5.81
 411125; AA151647; Hs.68877; cytochrome b-245, alpha polypeptide; none; TM=Y; SS=M; 5.80
 420340; NM_000734; Hs.97087; CD32 antigen, zeta polypeptide (TIT3 cont; ITAM; TM=M; SS=M; 5.79
 431661; AK000378; Hs.267566; hypothetical protein FLJ20371; sugar_in; TM=Y; SS=N; 5.79
 413441; AI929374; Hs.75367; Src-like adapter; SH2, SH3; TM=M; SS=N; 5.78
 443257; AI334040; Hs.11614; HSPC065 protein; trypsin; TM=M; SS=N; 5.76
 415801; R24219; Hs.278443; Fc fragment of IgG, low affinity Iib, re; Ig; TM=Y; SS=N; 5.70
 435299; A1745458; Hs.343026; ESTs, Weakly similar to T20583 hypothet; none, NA; NA; 5.69
 415995; NM_004673; Hs.355888; phospholipase C, beta 2; C2, PI-PLC-Y, PI-PLC-X; TM=M; SS=N; 5.67
 436772; AW975688; Hs.348918; metallothionein 1E (functional); 7tm_2, HRM, none; 5.67
 431885; BE178536; Hs.11090; membrane-spanning 4-domains, subfamily A; none, none; 5.66
 419633; AA251131; Hs.220697; Homo sapiens tryptophanyl-tRNA synthetase; WHER-TRS, tRNA-synt_1b, none; 5.66
 421859; AA355620; Hs.108947; KIAA0050 gene product; ank, PH, ArfGap; 5.64
 407758; AA116021; Hs.38260; ubiquitin specific protease 18; UCH-1, UCH-2; 5.63
 425354; U62027; Hs.155935; complement component 3a receptor 1; 7tm_1; TM=Y; SS=M; 5.63
 423533; NM_014339; Hs.129751; Interleukin 17 receptor; none; TM=Y; SS=M; 5.63
 419577; L36531; Hs.91296; integrin, alpha 8; Integrin_A, FG-GAP; TM=Y; SS=N; 5.61
 452561; AI692181; Hs.49169; KIAA1634 protein; TPR, PDZ, WW, Guanylate_in; TM=M; SS=N; 5.61
 428677; AI657119; Hs.351582; troponin I, cardiac; none; TM=M; SS=N; 5.60
 425509; AF079383; Hs.158213; sperm associated antigen 6; Armadillo_seg, HEAT_PBS; TM=M; SS=N; 5.59
 453852; AW961818; Hs.211592; MUM2 protein; pkinase, DAG_PE-bind, C2, pkinase_C, none; 5.57
 421924; BE514514; Hs.109606; coronin, actin-binding protein, 1A; WD40, ldn_C; TM=M; SS=N; 5.57
 448030; N30714; Hs.325960; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=M; 5.55
 431630; NM_002204; Hs.285829; Integrin, alpha 3 (antigen CD49C, alpha; FG-GAP, Rhabd_glycop, Integrin_A; TM=Y; SS=M; 5.53
 410257; BE244044; Hs.61469; hypothetical protein; none, none; 5.53
 441585; AA972712; Hs.269737; ESTs; pkinase, Activin_rec, TSPN, Collagen; 5.52
 413934; U03056; Hs.75619; hyaluronoglucosaminidase 1; integrin_B, Glyco_hydro_56; 5.52
 424517; AI539443; Hs.137447; Homo sapiens cDNA FLJ12169 fis, clone MA; SH2, STAT, STAT_bind, STAT_prot, none; 5.50
 447357; AI375922; Hs.132821; ESTs; FMO-like, FMO-like; 5.48
 422109; S73265; Hs.1473; gastrin-releasing peptide; Bombesin, Defensin_propep; TM=M; SS=M; 5.46
 447033; AI357412; Hs.167601; Predicted gene; Eos cloned; secreted w/v; none, none; 5.45
 417412; K16898; Hs.82112; interleukin 1 receptor, type I; Ig, TIR; TM=M; SS=M; 5.45
 438057; NJ004832; Hs.5038; neuropathy target esterase; cNMP_binding, lon_trans, Patatin; TM=Y; SS=M; 5.41
 417497; AW402482; Hs.82212; CD53 antigen; transmembrane4; TM=Y; SS=M; 5.41
 439285; AL133916; Hs.47860; hypothetical protein FLJ20093; Ig, pkinase, LRR, LRRNT, LRRCT, none; 5.40
 452698; NM_001295; Hs.301921; chemokine [C-C motif] receptor 1; 7tm_1; TM=Y; SS=M; 5.40
 443623; AA345519; Hs.9641; complement component 1, q subcomponent; C1q, Collagen; 5.40
 446272; BE268912; Hs.14501; hematopoietic cell-specific Lyn substrat; SH3, HS1_sep; TM=M; SS=N; 5.38
 437275; AW976035; Hs.292386; ESTs, Weakly similar to A47582 B-cell g; none, Frizzled, Fz; 5.37
 419560; BE280337; Hs.194693; solute carrier family 7 (cationic amino; aa_permeases; TM=Y; SS=M; 5.37
 449853; AF006823; Hs.24040; potassium channel, subfamily K, member 3; lon_trans; TM=Y; SS=M; 5.36
 442434; AA995787; Hs.129583; ESTs; IRK, none; 5.36
 428055; AI634046; Hs.157313; ESTs; ICE_p20, DED, ICE_p10, ICE_p20, DED; 5.36

- 445333; BE537641; Hs.44278; hypothetical protein FLJ12538 similar to: ras, arl, TK; 5.33
 425638; NM_012337; Hs.158450; nasopharyngeal epithelium specific prota; none; TM=M; SS=N; 5.32
 419034; NM_002110; Hs.89555; hemopoietic cell kinase; SH2, SH3, pkinase; TM=M; SS=N; 5.32
 452416; AA026115; Hs.114777; ESTs; none; Porphobil deam; 5.29
 425205; NM_005854; Hs.155108; receptor (calcitonin) activity modifying; none; TM=Y; SS=N; 5.29
 440475; AIB07671; Hs.24040; potassium channel, subfamily K, member 3; ion_trans; none; 5.28
 417355; D13168; Hs.82002; endothelin receptor type B; 7tm_1, zf-C3HC4, fn3, SPRY, KRAB, zf-C2H2, rve, zf-B_box; TM=Y; SS=M; 5.28
 438120; A1248193; Hs.119860; ESTs; heme_1; none; 5.27
 418307; U70867; Hs.83974; solute carrier family 21 (prostaglandin); OATP_N, OATP_C; TM=Y; SS=M; 5.27
 409745; AA077391; : gbt:7814E12 Chromosome 7 Fetal Brain cDNA; 7tm_1, zf-C3HC4, fn3, SPRY, KRAB, zf-C2H2, rve, zf-B_box; TM=Y; SS=M; 5.26
 421554; AW137676; Hs.97775; ESTs; none; none; 5.23
 408308; AL033377; Hs.44197; hypothetical protein DKFZp584D0462; none; none; 5.22
 410434; AF051152; Hs.63658; toll-like receptor 2; LRR, LRRCT, TIR; TM=M; SS=M; 5.21
 421585; U95626; Hs.302043; chemokine (C-C motif) receptor-like 2 ; 7tm_1; TM=Y; SS=M; 5.19
 400261; : Hs.1802; Eos Control; Ig, MHC_jl_beta; TM=Y; SS=M; 5.19
 436856; A1468356; Hs.127310; ESTs; pkinase, rrm; TM=M; SS=N; 5.18
 408761; AA057264; Hs.238936; ESTs; Weakly similar to (define not avx; 7tm_1; none; 5.17
 425023; AW956889; Hs.154210; EDG-1 (endothelial differentiation, sph; 7tm_1; TM=Y; SS=M; 5.16
 452203; X57522; Hs.352018; transporter 1, ATP-binding cassette, sub; ABC_tran, ABC_membrane, SRP54, Thymidylate_kin; TM=Y; SS=M; 5.16
 451220; AF124251; Hs.26054; novel SH2-containing protein 3; SH2; TM=M; SS=N; 5.15
 417771; AA804698; Hs.82547; retinoic acid receptor responder (lazarus; none; none; 5.14
 424825; NM_002432; Hs.153837; myeloid cell nuclear differentiation ant; PAAD, DAPIN, HIN; 5.14
 451099; RS2795; Hs.25954; interleukin 13 receptor, alpha 2; fn3; TM=Y; SS=M; 5.13
 427509; M62505; Hs.2161; complement component 5 receptor 1 {C5a}; 7tm_1; TM=Y; SS=M; 5.12
 423198; AK001868; Hs.125139; hypothetical protein FLJ11004; none; TM=M; SS=N; 5.12
 433674; AW138797; Hs.132906; 13A24 protein; Ig; TM=M; SS=M; 5.11
 426457; AW894667; Hs.380138; chimerin (chimerin) 1; DAG_PE-bind, RhoGAP, SH2; TM=M; SS=N; 5.06
 431890; X17033; Hs.271985; Integrin, alpha 2 (CD49B, alpha 2 subunit; vwa, Integrin_A, FG-GAP; TM=Y; SS=M; 5.05
 418185; AW958272; Hs.347326; intercellular adhesion molecule 2 (ICAM; none; TM=Y; SS=M; 5.05
 437352; AL353957; Hs.284181; hypothetical protein DKFZp434P0531; DUF221; TM=Y; SS=M; 5.03
 457918; AL359690; Hs.162604; hypothetical protein DKFZp762M186; PLD6; TM=M; SS=N; 5.02
 452924; AW580939; Hs.97199; complement component C1q receptor; EGF, lectin_6, Tissue_fac, Xlink, TIL; TM=Y; SS=M; 5.02
 426535; AU077012; Hs.288582; ESTs; Weakly similar to ubiquitous TPR m; Kunitz_BPTI, Kunitz_BPTI, 7tm_2, HRM; 4.99
 432805; X94630; Hs.3107; CD97 antigen; 7tm_2, EGF, GPS, FecCD; TM=Y; SS=M; 4.95
 434883; AW381538; Hs.19807; hypothetical protein MGC12958; SH3, PH, WW, RhoGAP; 4.95
 414291; A1289619; Hs.13040; G protein-coupled receptor 86; 7tm_1; TM=Y; SS=M; 4.94
 428981; BE313077; Hs.93135; ESTs; Weakly similar to ALU2_HUMAN ALU S; none; rrm; 4.92
 451154; AA015879; Hs.33536; ESTs; TIMP; none; 4.92
 435730; AB020635; Hs.4984; KIAA0828 protein; AdoHcyase, TrkA-N, 2-HackD_DH_C; TM=M; SS=N; 4.90
 413011; AW068115; Hs.821; biglycan; LRR, LRRNT; 4.90
 422732; AA577455; Hs.24937; transformer-2 alpha (htra-2 alpha); rrm, Ig; 4.89
 417015; MB3772; Hs.80876; flavin containing monooxygenase 3; FMO-like, pyr_redox; TM=Y; SS=M; 4.88
 412773; H15785; Hs.74573; similar to vaccinia virus HindIII K4L OR; PLDc; TM=M; SS=N; 4.88
 439559; AW970780; Hs.59483; leucine-rich repeat-containing G protein; 7tm_1, LRR; TM=Y; SS=N; 4.87
 405102; : : C15001220; gij4469558|gh|AAD21311.1| (AF; DAG_PE-bind, PH, RhoGEF, DC1; 4.86
 422795; AB033108; Hs.375610; KIAA1283 protein; 7tm_1, kazal, A2M, A2M_N; TM=Y; SS=N; 4.84
 432581; AU076465; Hs.278441; KIAA0015 gene product; PP2C; TM=M; SS=N; 4.83
 414936; C14774; : gbt:C14774 Clontech human aorta polyA mRNA; ank, pkinase, death; none; 4.82
 430152; AB001325; Hs.234642; aquaporin 3; MIP; TM=Y; SS=M; 4.82
 444838; AV651680; Hs.208558; ESTs; Integrin_A, FG-GAP; none; 4.81
 410423; AW402432; Hs.63489; protein tyrosine phosphatase, non-recept; SH2_Y, phosphatase, D8Pc; TM=M; SS=N; 4.81
 453107; NM_016113; Hs.279746; vanilloid receptor-like protein 1; ank, ion_trans; TM=Y; SS=N; 4.80
 433378; A1249361; Hs.74122; caspase 4, apoptosis-related cysteine pr; CARD, ICE_p10, ICE_p20; 4.80
 422010; AA302049; Hs.31181; Homo sapiens cDNA: FLJ23230 fis, clone C; none, SDF, sugar_br; 4.78
 419542; AA366037; Hs.90911; solute carrier family 16 (monocarboxylic; none; none; 4.76
 438899; AF085833; Hs.135624; ESTs; none, PI3_P14_kinase, PI3Ka, PI3K_C2, PI3K_rbd, PI3K_p85b; 4.75
 427418; AA402587; Hs.356667; LAT1-3TM protein; none; none; 4.75
 431924; AK000850; Hs.272203; Homo sapiens cDNA FLJ20843 fis, clone AD; SH3; none; 4.73
 424218; AF031824; Hs.143212; cystatin F (leukocystatin); cystatin; 4.72
 414888; AL039185; Hs.77558; thyroid hormone receptor Interactor 7; HMG14_17; none; 4.72
 416178; A1808527; Hs.192822; serologically defined breast cancer ant; none; TM=M; SS=N; 4.71
 430037; BE408648; Hs.227789; mitogen-activated protein kinase-activat; pkinase; TM=M; SS=N; 4.71
 451527; AF022813; Hs.26518; transmembrane 4 superfamily member 7; none; none; 4.71
 453870; AW385001; Hs.8042; Homo sapiens cDNA: FLJ23173 fis, clone L; FG-GAP, Integrin_A, NIF; 4.71
 408113; T82427; Hs.194101; Homo sapiens cDNA: FLJ20889 fis, clone A; 7tm_3; none; 4.70
 438543; AA810141; Hs.192182; ESTs; SH2, pkinase; none; 4.70
 424943; AU077260; Hs.153924; death-associated protein kinase 1; ank, pkinase, death, SPRY, SAP, Ribosomal_L24e, SRP54, dDENN, DENN, uDENN; TM=M; SS=N; 4.70
 438113; A1467908; Hs.8882; ESTs; 7tm_1; none; 4.70
 422164; NM_014312; Hs.112377; cortic al thymocyte receptor (X. laevis ; Ig, Geminl_mov; TM=Y; SS=M; 4.69
 414482; S57498; Hs.76252; endothelin receptor type A; 7tm_1; TM=Y; SS=M; 4.69
 425069; AA687465; Hs.298184; potassium voltage-gated channel, shaker; ; aldo_ket_red; none; 4.67
 432314; AA533447; Hs.285173; ESTs; Xlink; none; 4.66
 453518; AW503205; Hs.27268; gb:U1-HF-BN0-akt-g-03-0-UI.r1 NIH_MGC_50; SH3, PH, RhoGEF; TM=M; SS=N; 4.66
 418613; AA744529; Hs.86575; mitogen-activated protein kinase kinase ; pkinase, CNH; TM=M; SS=N; 4.66
 446063; A1720140; Hs.151079; ESTs; ISK_Channel; none; 4.65
 454034; NM_000691; Hs.575; aldehyde dehydrogenase 3 family, member ; aldedh; 4.65
 431441; U81961; Hs.2794; sodium channel, nonvoltage-gated 1 alpha; ASD; TM=Y; SS=N; 4.65
 443402; U77846; Hs.9295; elastin (supravalvular aortic stenosis, ; none, PDZ_LIM, pkinase; 4.65
 414809; A1434899; Hs.77356; transferrin receptor (p90, CD71); PA; TM=Y; SS=N; 4.64
 427535; R28543; Hs.2164; pro-platelet basic protein (includes pla; IL8; TM=M; SS=M; 4.64
 437119; A1378921; Hs.177043; XP_171387 similar to tholektin; none; none; 4.63
 411779; AA292811; Hs.72050; non-metastatic cells 5, protein expresse; NDK; 4.63
 429784; M89796; Hs.30; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=N; 4.62

- 415934; NM_000928; Hs.992; phospholipase A2, group 1B (pancreas); phospho; 4.61
 408873; AL046017; Hs.358216; calmodulin 2 (phosphorylase kinase, delta; none, none; 4.61
 426432; AF001801; Hs.169857; paraoxonase 2; Arylesterase; TM=M;SS=N; 4.59
 444805; AB007899; Hs.12017; homolog of yeast ubiquitin-protein ligase; WW,HECT,RNA_pol_A,none; 4.59
 408000; L11690; Hs.198689; bullous pemphigoid antigen 1 (230/240kD); ehand,spectrin,GAS2,SH3,Plectin,PA,Xylosa_isom,FLD,bZIP,Tropomyosin,Myc-LZ,M,Idh_C,CH,ALP3; TM=M;SS=N; 4.59
 431087; H12723; Hs.280791; ESTs; ion_trans,none; 4.58
 425465; L18964; Hs.1904; protein kinase C, iota; pkinase,DAG_PE-bind,pkinase_C,OPR; TM=M;SS=N; 4.58
 422427; AA310514; Hs.96692; ESTs; PH,Elas,CH,spectrin,Ca_channel_B,none; 4.57
 441527; W19504; Hs.7884; solute carrier family 21 (organic anion); OATP_N,OATP_C; TM=Y;SS=N; 4.56
 416464; NM_000132; Hs.79345; coagulation factor VIII, procoagulant co; Cu-oxidase,F5_F8_type_C; 4.56
 421233; AA208534; Hs.284243; tetraspan NET-6 protein; transmembrane4; TM=Y;SS=M; 4.56
 422311; AF073515; Hs.114948; cytokine receptor-like factor 1; fn3; TM=M;SS=N; 4.55
 444895; AJ674363; Hs.22891; solute carrier family 7 (cationic amino); ASC,death,TNFR_c6; 4.55
 428141; D50402; Hs.182611; solute carrier family 11 (proton-coupled); Nramp; TM=Y;SS=N; 4.55
 410290; AA402307; Hs.322844; hypothetical protein DKFZp564A176; Sema,PSI,TIG,Integrin_B; TM=Y;SS=M; 4.54
 426437; BE076537; Hs.169895; ubiquitin-conjugating enzyme E2L 6; Armadillo_seg,UQ_con,none; 4.54
 450088; AW016343; Hs.233301; ESTs; ank,death,ZU5,NMU,none; 4.54
 438209; AL120659; Hs.6111; aryl-hydrocarbon receptor nuclear trans; HLH,PAS,IL8; TM=M;SS=N; 4.54
 441788; X78342; Hs.77313; cyclin-dependent kinase (CDC2-like) 10; pkinase; TM=M;SS=N; 4.53
 429109; AL008537; Hs.196352; neutrophil cytosolic factor 4 (40kD); SH3,OPR,PX; TM=M;SS=N; 4.53
 427557; NM_002659; Hs.179657; plasminogen activator, urokinase receptor; UPAR_LY6,ET,PLA2_Inh; 4.53
 411213; AA676939; Hs.69285; neuropilin 1; MAM,F5_F8_type_C,CUB,CUB,MAM,F5_F8_type_C; 4.53
 434158; T86534; Hs.14372; ESTs; adenylatekinase,none; 4.52
 431941; AK000106; Hs.272227; Homo sapiens cDNA FLJ20099 fls, clone CO; pkinase,Furin-like,Recep_L_domain,none; 4.52
 447341; AF105941; Hs.18142; arrestin, beta 2; arrestin,arrestin_C,PX,PH,PLDc; 4.52
 447656; NM_003728; Hs.19126; src kinase-associated phosphoprotein of; SH3,PH; TM=M;SS=N; 4.51
 417018; M16038; Hs.80887; v-yes-1 Yamaguchi sarcoma viral related; SH2,SH3,pkinase; TM=M;SS=N; 4.51
 422893; X98411; Hs.380077; myosin IF; SH3,myosin_head,IQ; TM=M;SS=N; 4.51
 407202; N68172; Hs.109370; ESTs; F5_F8_type_C,pkinase,Elas,none; 4.51
 447078; AA280057; Hs.105280; ESTs, Weakly similar to dJ963K23.2 [H.s.; zf-C2H2,zf-C3HC4,UIM; TM=M;SS=N; 4.51
 450747; A1064821; Hs.129953; ESTs, Highly similar to 1818357A EWS gen; mm,zf-RanBP,GAS2; 4.50
 419452; U33635; Hs.90572; PTK7 protein tyrosine kinase 7; ig,pkinase; TM=Y;SS=M; 4.50
 453856; AA804789; Hs.379109; PDZ-LIM protein mystique; LIM,PDZ; TM=M;SS=N; 4.49
 432744; AA988835; Hs.38664; ESTs; none,none; 4.49
 419032; W81330; Hs.99877; ESTs, Highly similar to JAK3B [H.sapiens; pkinase,SH2,Insulin,pkinase,SH2; 4.48
 444009; A1380792; Hs.135104; ESTs; TNFR_c6,TIL,none; 4.48
 426416; AW812744; Hs.169824; killer cell lectin-like receptor subfam1; lectin_c; TM=Y;SS=M; 4.48
 412802; U41518; Hs.74602; aquaporin 1 (channel-forming Integral pr; MIP; TM=Y;SS=M; 4.48
 447217; BE465754; Hs.17778; neuropilin 2; CUB,MAM,F5_F8_type_C; TM=M;SS=M; 4.47
 408771; AW732573; Hs.47584; potassium voltage-gated channel, delayed; ehand,ion_trans,K_tetra,none; 4.47
 435049; AL122067; Hs.4746; hypothetical protein FLJ21324; none; TM=M;SS=N; 4.46
 413278; BE563085; Hs.893; Interferon-stimulated protein, 15 kDa; ubiquitin; 4.45
 423804; AW403448; Hs.1706; interferon-stimulated transcription fact; IRF,zf-C3HC4,IBR,zf-RanBP; TM=M;SS=N; 4.45
 434308; N51517; Hs.47282; ESTs; pkinase,pkinase_C,none; 4.45
 434448; W26657; Hs.184581; Homo sapiens cDNA FLJ14821 fls, clone OV; pkinase,pkinase_C; 4.45
 417428; NM_002291; Hs.82124; laminin, beta 1; laminin_EGF,laminin_Nterm,Integrin_B; 4.44
 417389; BE260964; Hs.82045; midkine (neurite growth-promoting factor); PTN_MK; TM=M;SS=Y; 4.44
 430259; BE560182; Hs.375142; RafGEF-like protein 3, mouse homolog; fn3,RA,RasGEF; TM=M;SS=M; 4.44
 438001; AW903849; Hs.173840; HUEL (C4orf1)-interacting protein; Ig; TM=M;SS=M; 4.44
 452355; N54926; Hs.29202; G protein-coupled receptor 34; 7tm_1,OATP_C; TM=Y;SS=N; 4.43
 418751; BE389014; Hs.372548; phosphoinositide-3-kinase, regulatory su; SH2,none; 4.43
 410068; A1633888; Hs.58435; FYN-binding protein (FYN-120/130); SH3; TM=M;SS=N; 4.43
 449951; AW265634; Hs.133100; ESTs; pkinase,Furin-like,Recep_L_domain,none; 4.42
 451734; NM_006176; Hs.26944; neurogranin (protein kinase C substrate); IQ,7tm_1; TM=M;SS=N; 4.42
 410598; A1817130; Hs.9195; Homo sapiens cDNA FLJ13698 fls, clone PL; RasGEF,PRK; 4.42
 439411; AA044876; Hs.58043; ESTs, Weakly similar to CYA2_HUMAN ADENY; guanylate_cyc; TM=Y;SS=M; 4.42
 433179; AW362945; Hs.162459; ESTs; Armadillo_seg,none; 4.42
 414849; AW372721; Hs.291623; ESTs, Weakly similar to unnamed protein; pkinase,none; 4.42
 409512; AW979187; Hs.293591; melanoma differentiation associated prot; DEAD,Helicase_C,CARD; TM=M;SS=N; 4.41
 445903; A1347487; Hs.132761; class I cytokine receptor; fn3; TM=Y;SS=N; 4.41
 438507; AA809052; Hs.356627; ESTs; none,none; 4.41
 409524; AW402151; Hs.54873; tumor necrosis factor (ligand) superfam1; TNF; TM=Y;SS=M; 4.40
 453037; AA045175; Hs.17914; ESTs; none; TM=Y;SS=M; 4.40
 412228; AW503785; Hs.73792; complement component (3d/Epstein Barr vi; sushi; TM=Y;SS=M; 4.40
 451035; AU076766; Hs.430; plasmin 1 (I isoform); ehand,CH,Adaptin_N; 4.40
 415149; X12451; Hs.78056; cathepsin L; Peptidase_C1; 4.39
 408105; AW152207; Hs.270977; ESTs, Weakly similar to I38022 hypotheit; Y_phosphatase,carb_anhydrase,DSPc,none; 4.39
 423099; NM_002837; Hs.123641; protein tyrosine phosphatase, receptor t; fn3,Y_phosphatase,DSPc,COX6C; TM=M;SS=M; 4.39
 436330; AW450572; Hs.257316; ESTs; pkinase,zf-C4,ERM,CNH,none; 4.39
 433437; U20536; Hs.3280; caspase 6, apoptosis-related cysteine pr; ICE_p10,ICE_p20; 4.39
 429747; M87507; Hs.2490; caspase 1, apoptosis-related cysteine pr; CARD,ICE_p10,ICE_p20; 4.39
 426410; BE298448; Hs.305890; BCL2-like 1; Bcl-2,BH4,none; 4.38
 434511; R28982; Hs.18108; ESTs; pkinase,Glyco_hydro_39; 4.38
 448888; AW196653; Hs.200242; caspase recruitment domain protein 6; CARD; TM=M;SS=N; 4.37
 447827; U73727; Hs.19718; protein tyrosine phosphatase, receptor t; fn3,ig,Y_phosphatase,MAM; TM=Y;SS=M; 4.36
 432583; AW023624; Hs.162282; potassium channel TASK-4; potassium chan; ion_trans,X; TM=Y;SS=M; 4.36
 413472; BE242870; Hs.75379; solute carrier family 1 (glial high aff; SDF; TM=Y;SS=M; 4.36
 426828; NM_000020; Hs.172670; activin A receptor type II-like 1; pkinase,Activin_rec; TM=M;SS=M; 4.36
 449444; AW818436; Hs.351306; solute carrier family 16 (monocarboxylic; none; TM=Y;SS=M; 4.36
 437145; AF007216; Hs.5462; solute carrier family 4, sodium bicarbon; HCO3_cotransp; TM=Y;SS=N; 4.36
 429670; L01087; Hs.211593; protein kinase C, theta; DAG_PE-bind,pkinase,pkinase_C,DNA_pol_viral_N,PHD,DC1; TM=M;SS=N; 4.35
 421195; BE464560; Hs.133017; ESTs; none,none; 4.35

- 415758; BE270465; Hs.78793; protein kinase C, zeta; pkinase,DAG_PE-bind,pkinase_C,OPR; 4.35
 457001; J03258; Hs.2082; vitamin D (1,25-dihydroxyvitamin D3) receptor; hormone_rec,zf-C4,Metallothio_5;TM=M;SS=N; 4.34
 419150; T29618; Hs.89640; TEK tyrosine kinase, endothelial (venous); EGF,fn3,pkinase,ig,Jarminin_EGF,DSL;TM=Y;SS=M; 4.34
 440675; AW005054; Hs.279788; ESTs, Weakly similar to KCC1_HUMAN CALCI; pkinase,none; 4.34
 429657; D13626; Hs.2465; KIA0001 gene product; putative G-protein; 7tm_1;TM=Y;SS=M; 4.34
 414509; AW161311; Hs.76294; CD63 antigen (melanoma 1 antigen); transmembrane4;TM=Y;SS=M; 4.34
 425771; BE561776; Hs.159494; Bruton agammaglobulinemia tyrosine kinase; SH2,SH3,pkinase,PH,BTK;TM=M;SS=N; 4.34
 452124; AA454220; Hs.61170; ESTs; pkinase,none; 4.33
 407775; NM_004914; Hs.38772; RAB36, member RAS oncogene family; ras,ar;TM=M;SS=N; 4.33
 452688; AA721140; Hs.49930; ESTs, Weakly similar to putative p150 [H]; SH3,none; 4.33
 434164; AW207019; Hs.148135; serine/threonine kinase 33; pkinase;TM=M;SS=N; 4.32
 445330; R52656; Hs.21691; ESTs; 7tm_1,none; 4.32
 437527; AL241019; Hs.145644; ESTs; PIP5K,none; 4.32
 437763; AA469369; Hs.5831; tissue inhibitor of metalloproteinase 1; TIMP,pkinase,DAG_PE-bind,RBD; 4.31
 416714; AF223770; Hs.79630; CD79A antigen (immunoglobulin-associated); Ig,ITAM,Zn_cus;TM=Y;SS=M; 4.31
 416269; AA177138; Hs.161671; ESTs; pkinase,DAG_PE-bind,RBD,none; 4.30
 425458; H89317; Hs.162883; ESTs; ion_trans,none; 4.30
 424206; NM_003734; Hs.198241; amine oxidase, copper containing 3 (vasc); Cu_amine_oxid,Cu_amine_oxidN2,Cu_amine_oxidN3;TM=M;SS=M; 4.29
 451876; T63141; ; gb:yb99a12.s1 Stralagene lung (937210) H; SH3,none; 4.29
 417801; AA417383; Hs.82582; Integrin, beta-like 1 (with EGF-like rep); EGF; 4.29
 435240; AI025435; Hs.117532; ESTs; GIMP_kinases,none; 4.27
 444051; N48373; Hs.10247; activated leucocyte cell adhesion molecule; none,none; 4.26
 423523; AW29826; Hs.193580; ESTs; none,none; 4.26
 426274; D38122; Hs.2007; tumor necrosis factor (ligand) superfamily; TNF;TM=Y;SS=N; 4.26
 425356; BE244879; Hs.155939; inositol polyphosphate-5-phosphatase, 14; Exo_endo_phos,SH2;TM=M;SS=N; 4.26
 448366; AB037750; Hs.21061; KIAA1329 protein; PKD,BNR;TM=Y;SS=M; 4.26
 418318; U47732; Hs.84072; transmembrane 4 superfamily member 3; transmembrane4;TM=Y;SS=M; 4.26
 427274; NM_005211; Hs.174142; colony stimulating factor 1 receptor, fo; ig,pkinase;TM=Y;SS=M; 4.26
 416802; NM_006159; Hs.367895; Protein kinase C-binding protein NELL2; EGF,ycw,TSPN; 4.25
 436729; BE621807; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 4.25
 436484; AA720997; Hs.128295; ESTs; none,CAP_GLY,HCO3_cotransp,Glyco_hydro_63,PH; 4.24
 439668; AI061277; Hs.32634; frizzled (Drosophila) homolog 8; Frizzled,Fz,7tm_2,toxin_2;TM=Y;SS=M; 4.24
 418255; AW135405; Hs.37251; ESTs; pkinase,none; 4.24
 400328; X87344; ; transporter 2, ATP-binding cassette, sub; none;TM=Y;SS=N; 4.24
 406121; ; ; mitogen-activated protein kinase 8 inter; Cys_knot,TGF-beta,vwa,vwc,vwd,TIL,DUF139; 4.24
 425795; AJ000479; Hs.159543; EDG-6 (endothelial differentiation, G-p; 7tm_1;TM=Y;SS=M; 4.23
 406766; AW161678; Hs.111334; ferritin, light polypeptide; ferritin;TM=M;SS=N; 4.23
 449843; R85337; Hs.24030; solute carrier family 31 (copper transp; none;TM=Y;SS=M; 4.23
 445667; AW612141; Hs.279575; Homo sapiens G-protein coupled receptor ; 7tm_1;TM=Y;SS=M; 4.23
 413795; AL040178; Hs.142003; ESTs; none,pkinase,LRR,LRRCT; 4.22
 409142; AL138877; Hs.50758; SMC4 (structural maintenance of chromoso; ABC_tran,M,SMC_N,SMC_C,DUF164,none; 4.22
 447887; AA114050; Hs.211610; caspase 8, apoptosis-related cysteine pr; ICE_p10,ICE_p20,DED;TM=M;SS=N; 4.22
 417318; AW953937; Hs.240845; ESTs; SH3,PH,RhoGEF; 4.21
 424291; AL120061; Hs.144700; ephrin-B1; Ephrin;TM=Y;SS=M; 4.21
 408279; AF216955; Hs.44095; Homo sapiens, clone MGC:12617, mRNA, com; none,none; 4.20
 432636; AA340854; Hs.278562; claudin 7; PMP22_Claudin;TM=Y;SS=M; 4.20
 424818; L29472; Hs.1802; major histocompatibility complex, class ; ig,MHC_II_beta;TM=Y;SS=M; 4.19
 445633; AI453388; Hs.17287; ESTs, Weakly similar to S26689 hypotheti; IRK,none; 4.19
 432882; NM_013257; Hs.278696; serumglucocorticoid regulated kinase-II; pkinase,PX,pkinase_C; 4.19
 425481; AW978162; Hs.372811; ESTs; none,Oxysterol_BP; 4.19
 429081; Y14039; Hs.195175; CASP8 and FADD-like apoptosis regulator; ICE_p20,DED;TM=M;SS=N; 4.18
 401083; ; ; NM_016582; Homo sapiens peptide transp; PTR2;TM=Y;SS=M; 4.18
 420676; AI434780; Hs.4248; vav 2 oncogene; RhoGEF,PH,CH,SH2,SH3,DAG_PE-bind,none; 4.18
 424377; AF081675; Hs.146322; killer cell lectin-like receptor subfam; lectin_c;TM=Y;SS=M; 4.17
 424148; BE242274; Hs.1741; Integrin, beta 7; Integrin_B,EGF,metalthio,PSI;TM=Y;SS=M; 4.17
 421391; AW304350; Hs.191958; immunoglobulin superfamily receptor tran; ig,none; 4.17
 452100; AI688668; Hs.379032; inositol polyphosphate-5-phosphatase, 75; Exo_endo_phos,RhoGAP,none; 4.17
 413969; X14034; Hs.75648; phospholipase C, gamma 2 (phosphatidyl); SH2,SH3,C2,PH,PI-PLC-X,PDGF; 4.17
 422310; AA316622; Hs.96370; cytochrome P450, subfamily IIS, polypept; none,pkinase,fn3,ig; 4.17
 444034; AL161957; Hs.10177; pleckstrin homology domain interacting p; E1-E2_ATPase,Calton_ATPase_C,Calton_ATPase_N,Hydrolase,Ribosomal_S15,bromodomain,WD40;TM=M;SS=N; 4.16
 450056; BE047394; Hs.502; ESTs, Weakly similar to S71512 hypotheti; ABC_tran,ABC_membrane,ig,MHC_II_beta,SRP54,protease,ABC_membrane,ABC_tran; 4.16
 407245; X90568; Hs.172004; tifa; fn3,ig,SGXXSG,pkinase;TM=M;SS=N; 4.16
 418862; AA714835; Hs.271863; ESTs; RhoGAP,SH2,pkinase,POLO_box,none; 4.15
 410590; BE615216; Hs.64746; chloride intracellular channel 3; none;TM=M;SS=N; 4.15
 425743; BE396495; Hs.159428; BCL2-associated X protein; Bcl-2;TM=Y;SS=N; 4.15
 448967; AI699629; Hs.156781; ESTs; none,none; 4.14
 432176; AW080386; Hs.112278; arrestin, beta 1; arrestin,arrestin_C,none; 4.14
 452571; W31518; Hs.34665; ESTs; none;TM=M;SS=N; 4.14
 425421; L11669; Hs.157145; tetracycline transporter-like protein; sugar_tr;TM=Y;SS=M; 4.14
 410887; U24389; Hs.65436; lysyl oxidase-like 1; Lysyl_oxidase; 4.14
 417871; AA521368; Hs.24252; ESTs; IBB,Armadillo_seg,none; 4.13
 429619; AL133011; Hs.253920; Homo sapiens mRNA; cDNA DKFZp434P201 (fr; none,none; 4.12
 424522; AL134847; Hs.149957; ribosomal protein S6 kinase, 90kd, polyp; pkinase,pkinase_C; 4.12
 429623; NM_005308; Hs.211569; G protein-coupled receptor kinase 5; pkinase,RGS;TM=M;SS=N; 4.12
 413019; BE291604; Hs.75140; low density lipoprotein-related protein-; none;TM=M;SS=Y; 4.12
 434071; AF116653; Hs.34192; Homo sapiens PRO0823 mRNA, complete cds; none;TM=M;SS=N; 4.11
 434779; AF153815; Hs.50151; potassium inwardly-rectifying channel, s; IRK;TM=Y;SS=N; 4.11
 449655; AA020080; Hs.188633; ESTs; PIP5K,none; 4.11
 406403; ; ; NM_002162; Homo sapiens intercellular ad; ig;TM=Y;SS=M; 4.10
 427732; NM_002980; Hs.2199; secretin receptor; 7tm_2,HRM;TM=M;SS=M; 4.10
 437808; AA761605; Hs.292308; ESTs, Weakly similar to ALU1_HUMAN ALU S; pkinase,RIO1,none; 4.10
 432885; AA595607; Hs.369129; ESTs, Weakly similar to ALU1_HUMAN ALU S; pkinase,pkinase_C,none; 4.10

- 411190; AA306342; Hs.69171; protein kinase C-like 2; pkinase, pkinase_C, HR1; TM=M; SS=N; 4.10
 418342; BE002723; Hs.334330; leptin receptor; ICE_p20, DED, ICE_p10, ICE_p20, DED; 4.10
 424609; S78187; Hs.153752; cell division cycle 25B; Rhodanese; 4.10
 435905; AW997484; Hs.5003; KIAA0456 protein; SH3, RhoGAP, FCH; TM=M; SS=N; 4.10
 422278; AF072873; Hs.114218; frizzled (Drosophila) homolog 6; Fz, Frizzled, 7tm_2; TM=Y; SS=M; 4.10
 437952; D63209; Hs.5944; solute carrier family 11 (proton-coupled); none; TM=Y; SS=M; 4.10
 432827; Z68128; Hs.3109; Rho GTPase activating protein 4; FCH, RhoGAP, SH3; TM=M; SS=N; 4.09
 435140; AA668123; Hs.134170; ESTs; none, none; 4.09
 422627; BE336857; Hs.118787; transforming growth factor, beta-induced; Fasciclin, ABC_tran, ABC_membrane, GTP_EFTU; TM=M; SS=M; 4.08
 428483; AI908539; Hs.184592; KIAA0344 gene product; none, none; 4.08
 446232; AJ281848; Hs.194691; retinoic acid induced 3; 7tm_3, none; 4.07
 431674; AA088901; Hs.301642; G-protein coupled receptor; none, GCV_H; 4.07
 409686; AK000002; Hs.55879; Homo sapiens mRNA; cDNA DKFZp434L0827 (f. ABC_tran, ABC_membrane; TM=M; SS=M; 4.07
 441518; AW161697; Hs.294150; ESTs; Y_phosphatase, DSPc, none; 4.07
 442599; AF078037; Hs.324051; RelA-associated inhibitor; SH3, anic; TM=M; SS=N; 4.06
 436982; AB018305; Hs.5378; spondin 1, (f-spondin) extracellular mat; tsp_1, Reeler; 4.05
 420361; N92054; Hs.194718; zinc finger protein 265; zf-RanBP, 7tm_1; 4.05
 439549; AW937885; Hs.137314; ESTs; SH2, none; 4.04
 419981; AA897581; Hs.128773; ESTs; pkinase, DAG_PE-bind, pkinase_C, OPR, none; 4.04
 418836; AI655499; Hs.161712; ESTs; pkinase, Activin_rec, PDZ, ZU5, death; 4.04
 408806; AW947814; Hs.75608; Homo sapiens cDNA; FLJ21532 fis, clone C; SH3, PDZ, Guanylate_kin, none; 4.04
 432106; N58323; Hs.269098; ESTs, Weakly similar to RETROVIRUS-RELAT; SH3, PDZ, Guanylate_kin, none; 4.03
 426086; T94907; Hs.188572; ESTs; PHEts, CH_spectrin, Ca_channel_B, none; 4.03
 418203; X54942; Hs.83758; CDC28 protein kinase 2; CKS; 4.03
 412270; AC005262; Hs.73787; guanine nucleotide binding protein (G pr; G-alpha, arf; TM=M; SS=N; 4.03
 416350; AF186825; Hs.189507; phospholipase A2, group IID; phoslip; TM=M; SS=Y; 4.02
 434457; AF141332; Hs.200333; apolipoprotein B48 receptor; none; TM=M; SS=N; 4.02
 414271; AK000275; Hs.75871; protein kinase C binding protein 1; bromodomain, PHD, PWWP, zf-MYND; TM=M; SS=N; 4.02
 425694; U51333; Hs.159237; hexokinase 3 (white cell); hexokinase, hexokinase2; TM=M; SS=N; 4.02
 449943; AF104286; Hs.24212; latrophilin; 7tm_2, GPs, Gal_Lectin, OLF, Latrophilin, HRM; TM=Y; SS=M; 4.01
 408938; AA065013; Hs.22807; ESTs; fn3_Y_phosphatase, carb_anhydase, none; 4.01
 426839; M74782; Hs.172685; interleukin 3 receptor, alpha (low affin; none; TM=M; SS=M; 4.00
 422282; AF019225; Hs.114309; apolipoprotein L; MolA_ExtB; TM=Y; SS=M; 4.00
 410726; AI623859; Hs.15936; ESTs; pkinase, pro_Isomerase, none; 4.00
 428318; BE300110; Hs.183842; ubiquitin B; lipocalin, aldedh, ubiquitin, IRK; 4.00
 440188; AK001812; Hs.7036; N-Acetylglucosamine kinase; ROK; TM=M; SS=N; 3.99
 429952; AF080158; Hs.226573; inhibitor of kappa light polypeptide gen; pkinase, ubiquitin, Enterotoxin_A, PHO4, pkinase, ubiquitin; 3.99
 414700; H63202; Hs.38163; ESTs; 7tm_1; TM=Y; SS=M; 3.99
 432289; NM_002447; Hs.2942; macrophage stimulating 1 receptor (o-met; pkinase, Sema, PSI, TIG, AA_EXTRA; TM=M; SS=M; 3.99
 458362; AW973003; Hs.179909; hypothetical protein FLJ22895; none; TM=M; SS=N; 3.98
 427541; AI789983; Hs.375835; solute carrier family 35 (CMP-sialic act; none, none; 3.98
 440248; AA876138; Hs.369458; ESTs; SH2, none; 3.98
 437400; AB011542; Hs.6599; EGF-like domain, multiple 5; TNFR_c6, Jaminin, EGF; TM=Y; SS=N; 3.98
 425262; D87119; Hs.155418; GS3955 protein; pkinase; 3.98
 420166; AW732276; Hs.95563; transmembrane 4 superfamily member (tetr; transmembrane4; TM=Y; SS=M; 3.98
 437151; AA745618; Hs.380121; BANP homolog, SMAR1 homolog; none, none; 3.98
 443574; U83993; Hs.321709; purinergic receptor P2X, ligand-gated ion; P2X_receptor; TM=Y; SS=M; 3.97
 449027; AJ271216; Hs.22880; dipeptidylpeptidase III; Peptidase_M48, EGF, ig, Neuregulin; TM=M; SS=N; 3.97
 411574; BE242842; Hs.6780; protein tyrosine kinase 9-like (A6-relat; LRR, LRRCT, TIR, cofilin_ADF; TM=M; SS=N; 3.97
 432639; AW973785; ; gtcEST385886 MAGE resequences, MAGM Homo; none, IRK; 3.97
 457675; AF119917; Hs.306574; Homo sapiens PR03098 mRNA, complete cds; none; 3.97
 445701; AF055581; Hs.13131; lymphocyte adaptor protein; SH2, PH; TM=M; SS=N; 3.96
 437157; BE048860; Hs.17287; ESTs; IRK, none; 3.96
 453641; AA444140; Hs.90980; ESTs; Cbl_N, Cbl_N2, Cbl_N3, UBA, zf-C3HC4, none; 3.96
 446714; W73818; Hs.110028; ESTs; 7tm_1, 7tm_1; 3.96
 427648; AI376722; Hs.180062; proteasome (prosome, macropain) subunit; proteasome; 3.96
 453686; AL110326; Hs.304679; ESTs, Moderately similar to Z195_HUMAN Z; none, lectin_c, lig_chan; 3.96
 457718; F18572; Hs.22978; ESTs, Weakly similar to ALU4_HUMAN ALU S; pkinase, pkinase; 3.95
 428727; AF078847; Hs.78452; general transcription factor IIF, polype; PHO4, LIM; TM=M; SS=N; 3.95
 435411; AW444618; Hs.138211; ESTs; none, pkinase; 3.94
 440209; H05049; Hs.247837; neurexin 3; laminin_G, EGF, none; 3.94
 416638; N32538; Hs.42648; solute carrier family 16 (monocarboxylic; none, none; 3.94
 435272; AA906415; Hs.110041; ESTs; none, pkinase; 3.93
 402550; ; Target Error; none, none; 3.93
 425233; Z17861; Hs.155218; E1B-55kDa-associated protein 5; SPRY, SAP, pkinase, fn3lg; 3.93
 410073; AW408163; Hs.58488; catenin (cadherin-associated protein), alpha; Statmin, Vinculin; 3.92
 453548; AL079983; Hs.116774; integrin, alpha 1; none, vwa, FG-GAP, integrin_A; 3.92
 417226; AW505054; Hs.4283; ESTs; pkinase, RGS, PH, myosin_head, Myosin_tail; 3.92
 446755; AW451473; Hs.16134; serine/threonine kinase 10; pkinase, TYA; TM=M; SS=N; 3.92
 452344; AJ264357; Hs.65405; hypothetical protein MGC16212; Sulfate_transp, STAS; 3.92
 418516; NM_006218; Hs.85701; phosphoinositide-3-kinase, catalytic, alpha; PI3_P14_kinase, PI3Ka, PI3K_C2, PI3K_rbd, PI3K_p85b, none; 3.91
 423069; W15613; Hs.1613; adenosine A2a receptor; 7tm_1; TM=Y; SS=M; 3.91
 414443; AU077268; Hs.76144; platelet-derived growth factor receptor; ig, pkinase; TM=Y; SS=N; 3.91
 434392; AW983709; Hs.250824; Homo sapiens cDNA; FLJ23435 fis, clone H; pkinase, none; 3.91
 428615; AF258627; Hs.211552; ATP-binding cassette, sub-family A (ABC1; ABC_tran; TM=Y; SS=M; 3.91
 414774; X02419; Hs.77274; plasminogen activator, urokinase; kringle, trypsin, plant_likonlin; 3.91
 442831; AI798959; Hs.131688; ESTs; ABC_tran, PRK, ABC_tran; 3.91
 441657; BE314696; Hs.7936; BAI1-associated protein 2; SH3; TM=M; SS=N; 3.91
 438698; AW297855; Hs.361171; ESTs, Weakly similar to I38022 hypothet; lipooxygenase, PLAT, none; 3.90
 447560; AF085214; Hs.18858; phospholipase A2, group IVC (cytosolic; PLA2_B; TM=M; SS=N; 3.90
 437897; AA770581; Hs.146170; hypothetical protein FLJ22869; zf-DHHC, none; 3.89
 429379; NM_014840; Hs.200598; KIAA0537 gene product; pkinase, RIO1; TM=M; SS=N; 3.89
 410178; W27723; Hs.59498; cell division cycle 2-like 5 (choinester; pkinase; 3.89

- 428713; AA432067; Hs.268551; ESTs, Moderately similar to CYA4 RAT ADE; pkinase; 3.89
 456629; AW991966; Hs.367942; histone deacetylase 3; HSP90, HATPase_c, zf-C2H2, PHD, none; 3.89
 425190; AW028302; Hs.155079; protein phosphatase 2, regulatory subunit; B56; TM=M; SS=N; 3.89
 426752; X69490; Hs.172004; tlin; fn3, lg, pkinase, SGXXSG; TM=M; SS=N; 3.89
 417767; BE242241; Hs.82542; acylxyacyl hydrolase (neutrophil); Lipase_GDSL; TM=M; SS=M; 3.88
 414029; BE297731; Hs.75709; mannose-6-phosphate receptor (cation dep; Man-6-P_recep; TM=M; SS=M; 3.88
 416140; A918035; Hs.301198; roundabout (axon guidance receptor, Dros; none, none; 3.88
 434224; AA380731; Hs.84; interleukin 2 receptor, gamma (severe co; fn3; TM=Y; SS=M; 3.88
 410011; AB020641; Hs.57856; PFTAIR protein kinase 1; pkinase; TM=M; SS=N; 3.87
 406908; Z25437; ; gb: H. sapiens protein-tyrosine kinase gene; none, none; 3.87
 425289; AW139342; Hs.155530; interferon, gamma-inducible protein 16; PAAD, DIAPIN, HIN; 3.87
 441859; AW194364; Hs.9877; Interleukin-4 induced gene-1 protein (FI; Amino_oxidase, FAD_binding_3, TBC; TM=M; SS=N; 3.87
 439975; AW328081; Hs.6817; Inosine triphosphatase (nucleoside triph; Ham1p_like; TM=M; SS=N; 3.87
 415392; Z44067; Hs.10957; ESTs; PIP5K; none; 3.86
 416033; NM_012201; Hs.78979; Golgi apparatus protein 1; cys_rich_FGFR; TM=Y; SS=M; 3.86
 414649; A672727; Hs.76753; endoglin (CD105 antigen) (ENG); none; TM=Y; SS=M; 3.85
 425729; L22647; Hs.159350; prostaglandin E receptor 1 (subtype EP1); 7tm_1; TM=Y; SS=M; 3.85
 414496; W73863; Hs.355424; ESTs; pkinase, F5_F8_type_C, adh_short, none; 3.84
 412204; A1125507; Hs.24937; ESTs; ig, nm, none; 3.84
 434375; BE277910; Hs.3833; 3-phosphoadenosine 5'-phosphosulfate sy; APS_kinase, ATP-sulfonylase, PRK, Thymidylate_kin; 3.84
 444981; AW855396; Hs.12210; hypothetical protein FLJ13732 similar to; SH2; TM=M; SS=N; 3.84
 412309; M23692; Hs.73809; arachidonate 15-lipoxygenase; lipoxygenase, PLAT; 3.84
 405545; ; Target Exon; ABC_tran, SRP54, ABC_membrane; TM=Y; SS=M; 3.84
 407143; C14076; Hs.332329; EST; none; TM=Y; SS=M; 3.84
 420593; AA280366; Hs.187634; ESTs; B56; none; 3.84
 413420; AW410235; Hs.75348; proteasome (prosome, macropain) activator; PA28_alpha, PA28_beta, bioplerin_H; 3.83
 448253; H25898; Hs.201591; ESTs; 7tm_2, HHRM; none; 3.83
 444042; NM_004915; Hs.10237; ATP-binding cassette, sub-family G (WHIT; ABC_tran, PRK, GBP; TM=Y; SS=N; 3.83
 430397; A1924533; Hs.105607; bicarbonate transporter related protein; HCO3_cotransp; TM=Y; SS=N; 3.83
 423067; AA321355; Hs.285401; colony stimulating factor 2 receptor, beta; fn3; TM=Y; SS=M; 3.83
 458188; AW297226; Hs.137640; ESTs, Moderately similar to SIX4_HUMAN; pkinase, WD40; 3.82
 426486; BE178285; Hs.170056; Homo sapiens mRNA; cDNA DKFZp586B0220 (f; pkinase, none; 3.82
 428791; AA435661; Hs.264750; ESTs; zf-C3HC4; none; 3.82
 438068; A1927209; Hs.306210; Homo sapiens cDNA: FLJ23133 fis, clone L; NusG; 3.82
 453370; A1470523; Hs.139336; ATP-binding cassette, sub-family C (CFTR; ABC_tran, ABC_membrane; TM=Y; SS=N; 3.82
 419250; AW770185; Hs.356066; U5 snRNP-specific protein, 116 kD; 7tm_1, BAH, zf-CXXC, DNA_methylase; 3.82
 410017; AW952428; Hs.109438; Homo sapiens clone 24775 mRNA sequence; none, none; 3.82
 420679; X57152; Hs.105843; fibrillarin; CK_L_beta, Fibrillarin, WD40; TM=M; SS=N; 3.82
 417916; NM_006416; Hs.82921; solute carrier family 35 (CMP-sialic acid; DUF6; TM=Y; SS=M; 3.81
 425923; NM_005026; Hs.162808; phosphoinositide-3-kinase, catalytic, delta; none, none; 3.81
 417365; D50683; Hs.82028; transforming growth factor, beta receptor; pkinase, WD40; TM=Y; SS=N; 3.84
 414521; D28124; Hs.76307; neuroblastoma, suppression of tumorigenic; DAN; TM=M; SS=M; 3.52
 422396; A1476149; Hs.334459; hypothetical protein FLJ21992; SH2, SH3; 3.51
 418432; M14156; Hs.85112; insulin-like growth factor 1 (somatomedin); Insulin; 3.50
 459705; BE082764; Hs.270252; ESTs, Weakly similar to androgen receptor; none, C2, WW, HECT; 3.48
 425008; X58288; Hs.154151; protein tyrosine phosphatase, receptor type 1; fn3, Y_phosphatase, MAM; TM=Y; SS=M; 3.38
 415917; U88967; Hs.78867; protein tyrosine phosphatase, receptor type 1; fn3, Y_phosphatase, carb_anhydase; TM=Y; SS=M; 3.37
 433336; AF017868; Hs.31386; secreted frizzled-related protein 2 (sfr; Fz, NTR; 3.24
 428125; X87241; Hs.166994; FAT tumor suppressor (Drosophila) homolog; EGF, cadherin, laminin_G; TM=Y; SS=M; 3.11
 419721; NM_001650; Hs.315369; aquaporin 4; MIP; none; 2.99
 433147; AF081434; Hs.43080; platelet derived growth factor C; PDGF, CUB; 2.91
 417976; BE555892; Hs.83077; interleukin 18 (interferon-gamma-inducible; none; TM=M; SS=N; 2.89
 439180; A1393742; Hs.199067; v-erb-b2 avian erythroblastic leukemia v; Furin-like, pkinase, Recep_L_domain, Peptidase_M24; 2.69
 426158; NM_001982; Hs.199067; v-erb-b2 avian erythroblastic leukemia v; Furin-like, pkinase, Recep_L_domain, Furin-like, pkinase, Recep_L_domain, Peptidase_M24; 2.23
 411089; AA456454; Hs.355702; cell division cycle 2-like 1 (PTSLRE pr; none, none; 2.07
 428900; M57627; Hs.193717; interleukin 10; IL10; 1.10

TABLE 40B

60	Pkey:	Unique Eos probaset identifier number
	CAT number:	Gene cluster number
	Accession:	Genbank accession numbers
65	Pkey	CAT Number Accession
	456034	685586_1 AA136653 AA136656 AW450979 AA984358 AA809054 AW238038 AA492073 BE168945
	459702	539529_1 BG207209 BE166299 AJ204995 BG199365 AW969908 AA528756 AW440776 BI044354
	432222	539529_1 BG207209 BE166299 AJ204995 BG199365 AW969908 AA528756 AW440776 BI044354
	414991	1785136_1 D78831 C17898 D78863
70	409745	MH1944_5 BI030997 AA921874 AW188822 BI027862 AJ347618 AJ361463 AJ088754 AW207491 AA077391 BG012775 BG997382 AA286833 AA150722 BI007625
		BI027864 BI009100 BI005275 BI006270 BI031000 BI029864 BI005277 BI007627 BI006266 BI006991 BI006990 BI007763 BI007762 BG997377
		AA150780 BI033518 BI027818 BG015769 BI033807 AA341445
	414936	1782849_1 C14774 C17911 D79033
75	451876	2328579_1 TG3141 AI821021 BF370092 BF370127 BF370060 T82998
	432639	1237887_1 AW973785 HG0163 AA557608

TABLE 40C

80	Pkey:	Unique number corresponding to an Eos probaset
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham 1. et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham 1. et al., Nature (1995) 402:489-495.
	Strand:	Indicates DNA strand from which exons were predicted.
	Nt_position:	Indicates nucleotide positions of predicted exons.

	Pkey	Ref	Strand	NT_position
5	402474	7647175	Minus	53526-53628,55755-55920,57530-57757
	404240	5002624	Minus	116132-116407,116653-116922
	406102	8076881	Minus	120922-121296
	405121	8102330	Minus	35816-36004,36587-36884
10	401083	3242744	Plus	33192-33360
	406403	9256305	Minus	151426-151680
	402550	7652008	Minus	80413-80673
	405645	1054740	Plus	118677-118807,119091-119296,121626-12182

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TABLE 41A: 556 GENES UP-REGULATED IN PANCREATIC TUMORS OR PANCREATITIS RELATIVE TO NORMAL TISSUES

20 Table 41A lists about 556 genes up-regulated in pancreatic tumors or pancreatitis relative to normal tissues. These genes were selected from 59580 probesets on the Eos/Affymetrix Hu03 Genchip array.

	Pkey:	Unique Eos probeset identifier number			
	ExAccn:	Exemplar Accession number, Genbank accession number			
	UnigeneID:	Unigene number			
25	Unigene Title:	Unigene gene title			
	R1:	90th percentile of pancreatic cancer/median of normal pancreas			
	Pkey	ExAccn	UnigeneID	Unigene Title	R1
30	412228	AW503785	Hs.73792	complement component (3d/Epstein Barr vi	7.25
	431462	AW583672	Hs.266311	granin-like neuroendocrine peptide precu	1.64
	444895	AJ272285	Hs.12230	secreted phosphoprotein 2, 24kD	3.58
	453863	X02544	Hs.572	orosomucoid 1	114.18
	441031	A1110684	Hs.7645	fibrinogen, B beta polypeptide	922.40
35	421344	AW631030	Hs.103665	villin-like	2.19
	416018	AW138239	Hs.78977	proprotein convertase subtilisin/kexin t	61.10
	438091	AW373062	Hs.83623	nuclear receptor subfamily 1, group 1, m	607.40
	418888	AJ076801	Hs.89436	cadherin 17, LI cadherin (liver-intestin	228.20
	418869	W33191	Hs.28907	hypothetical protein FLJ20258	4.97
40	443182	T49851	Hs.9029	DKFZP434G032 protein	38.01
	423096	AA732684	Hs.278428	progestin induced protein	189.60
	413719	BE439580	Hs.75498	small inducible cytokine subfamily A (Cy	11.08
	448243	AW368771	Hs.52620	Integrin, beta 8	116.90
45	421044	AF061871	Hs.311736	Human DNA sequence from clone RP1-238D15	21.52
	407788	BE514982	Hs.38991	S100 calcium-binding protein A2	8.74
	422867	L32137	Hs.1584	cartilage oligomeric matrix protein (COM	3.11
	432467	T03667	Hs.238388	Human DNA sequence from clone RP1-304B14	307.70
	457059	BE561665	Hs.177677	exosome component Rrp40	33.60
50	451945	BE504055	Hs.211420	ESTs	7.31
	453354	W56946	Hs.234863	Homo sapiens cDNA FLJ12082 fis, clone HE	133.70
	443247	BE614387	Hs.333893	c-Myc target JPO1	349.10
	410132	NM_003480	Hs.300946	Microfibril-associated glycoprotein-2	330.00
	416984	H38765	Hs.80706	diphorase (NADH/NADPH) (cytochrome b-5	3.78
	413835	AJ272727	Hs.249163	fatty acid hydroxylase	3.53
55	433790	BE298215	Hs.288958	RAB22A, member RAS oncogene family	73.90
	414774	X02419	Hs.77274	plasminogen activator, urokinase	3.38
	410639	BE289047	Hs.65234	hypothetical protein FLJ20596	1.72
	410541	AA086003	Hs.64179	synlectin-2 protein	10.29
	427722	AK000123	Hs.180479	hypothetical protein FLJ20116	6.79
60	429512	AF082649	Hs.252587	pituitary tumor-transforming 1	4.62
	407694	AW191962	Hs.248239	collagen, type VIII, alpha 2	368.30
	431193	AW749505	Hs.296770	KIAA1719 protein	6.99
	442080	AW444761	Hs.44565	ESTs	118.00
	427670	BE812888	Hs.180224	myosin regulatory light chain	2.73
65	446921	AB012113	Hs.16530	small inducible cytokine subfamily A (Cy	647.30
	419551	AW582266	Hs.91011	anterior gradient 2 (Xenopus laevis) hom	738.90
	441633	AW958544	Hs.112242	normal mucosa of esophagus specific 1	68.43
	407792	AJ077715	Hs.39384	putative secreted ligand homologous to f	3.03
	419216	AJ076718	Hs.164021	small inducible cytokine subfamily B (Cy	7.73
70	418913	AW934714		gb:RC1-DT0001-031299-011-a11 DT0001 Homo	227.30
	418384	AW148266	Hs.25130	Homo sapiens cDNA FLJ14923 fis, clone PL	115.60
	452355	N54826	Hs.29202	G protein-coupled receptor 34	192.20
	419481	AI879196	Hs.90606	15 kDa selenoprotein	119.90
	407230	AA157857	Hs.182265	keratin 19	12.11
75	418528	BE019020	Hs.85838	solute carrier family 16 (monocarboxylic	6.63
	427685	D31152	Hs.179729	collagen, type X, alpha 1 (Schmid metaph	592.10
	411498	NM_014210	Hs.70499	ecotropic viral integration site 2A	120.40
	445517	AF208855	Hs.12830	hypothetical protein	117.40
	446619	AJ076643	Hs.313	secreted phosphoprotein 1 (osteopontin,	4.25
80	428385	AF112213	Hs.184062	putative Rab5-interacting protein	3.12
	448863	BE614599	Hs.106823	hypothetical protein MGC14797	135.20
	406857	AA157857	Hs.182265	keratin 19	11.32
	417426	NM_002291	Hs.82124	laminin, beta 1	406.20

5	406366	AF026692	Hs.105700	secreted frizzled-related protein 4	0.62
	401201	#(NOCAT)		Target Exon	0.75
	420767	AF072711	Hs.99918	carboxyl ester lipase (bile salt-stimula	0.63
	405556	Y09306	Hs.30148	homeodomain-interacting protein kinase 3	0.75
	442776	AW959498	Hs.8709	chymotrypsin C (caldecrin)	0.67
10	405555	Y09306	Hs.30148	homeodomain-interacting protein kinase 3	0.83
	403207	#(NOCAT)		C2000960:gi131432|sp|P23132|LUTH_BOVIN	0.80
	427858	NM_001971	Hs.21	elastase 1, pancreatic	0.98
	426004	AW600300	Hs.124123	ESTs, Moderately similar to SYNLRAT SYN	0.88
	401541	NA		Target Exon	0.91
15	429793	AI417638	Hs.114648	estrogen regulated gene 1	0.85
	423068	M25629	Hs.123107	kallikrein 1, renal/pancreas/salivary	0.81
	433110	D56494	Hs.3181	rat regenerating islet-derived-like, hum	0.72
	425988	BE045897	Hs.274454	ESTs, Weakly similar to I38022 hypotheti	0.95
	416768	AA363733	Hs.1032	regenerating islet-derived 1 alpha (panc	0.87
20	412470	M93283	Hs.73923	pancreatic lipase-related protein 1	0.89
	431969	AA366217	Hs.2879	carboxypeptidase A1 (pancreatic)	0.87
	419219	AW583139	Hs.89717	carboxypeptidase A2 (pancreatic)	0.95
	412688	AW583062	Hs.74502	chymotrypsinogen B1	0.85
	427811	M81057	Hs.180884	carboxypeptidase B1 (tissue)	1.07
25	420937	AW966719	Hs.1340	colipase, pancreatic	0.99
	418088	AW971155	Hs.293902	ESTs, Weakly similar to ISHUSS protein d	1.02
	410839	NM_006849	Hs.66581	protein disulfide isomerase	1.00
	437986	AA774575	Hs.121776	testis expressed sequence 11	1.02
	416934	NM_000928	Hs.992	phospholipase A2, group IB (pancreas)	1.06
30	427955	D00306	Hs.181289	elastase 3, pancreatic (protease E)	1.22
	406399	#(NOCAT)		NM_003122: Homo sapiens serine protease	1.08
	426230	AA367019	Hs.241395	protease, serine, 1 (trypsin 1)	1.11
	414051	NM_000699	Hs.300260	amylase, alpha 2A; pancreatic	1.22
	421243	AW873803	Hs.102876	pancreatic lipase	1.13
35	419263	AW563874	Hs.89832	insulin	1.12
	424208	AW583123	Hs.143113	pancreatic lipase-related protein 2	1.13
	408983	NM_000492	Hs.663	cystic fibrosis transmembrane conductanc	1.32
	436217	T53925	Hs.107	fibrinogen-like 1	1.72
	435975	AL118990	Hs.41997	alpha-1-B glycoprotein	1.60
40	431330	X69532	Hs.2777	inter-alpha (globulin) inhibitor, H1 pol	2.02
	414463	T69078	Hs.76177	alpha-1-microglobulin/bikunin precursor	1.82
	415003	M11437	Hs.77741	kiniogen	3.83
	422281	M36803	Hs.1504	hemopexin	2.14
	414910	X12662	Hs.289057	arginase, liver	97.90
45	417296	L36196	Hs.81884	sulfotransferase family, cytosolic, 2A,	236.70
	400836	#(NOCAT)		Target Exon	2.47
	452983	L32140	Hs.531	afamin	117.10
	419768	T72104	Hs.93194	apolipoprotein A-I	4.87
	413841	M34276	Hs.75576	plasminogen	374.00
50	400560	#(NOCAT)		NM_030878: Homo sapiens cytochrome P450,	144.50
	419502	AJ076704	Hs.90765	fibrinogen, A alpha polypeptide	266.50
	425746	NM_001701	Hs.159440	bile acid Coenzyme A: amino acid N-acylt	77.80
	426205	D63521	Hs.167877	leukocyte cell-derived chemotaxin 2	169.80
	414590	NM_000506	Hs.76530	coagulation factor II (thrombin)	3.60
55	443614	AV665385	Hs.7645	fibrinogen, B beta polypeptide	400.40
	429023	NM_000312	Hs.2351	protein C (inactivator of coagulation fa	4.72
	428311	NM_005651	Hs.183671	tryptophan 2,3-dioxygenase	5.26
	425260	L47726	Hs.1870	phenylalanine hydroxylase	73.78
	443316	A478463	Hs.18443	aldehyde dehydrogenase 8 family, member	182.20
60	413318	AJ076807	Hs.75285	inter-alpha (globulin) inhibitor, H2 pol	335.00
	413829	NM_001872	Hs.75572	carboxypeptidase B2 (plasma)	173.40
	421126	M74587	Hs.102122	Insulin-like growth factor binding prote	565.30
	407731	NM_000066	Hs.38069	complement component 8, beta polypeptide	86.20
	413585	A113452	Hs.75431	fibrinogen, gamma polypeptide	477.20
65	452624	AJ076808	Hs.30054	coagulation factor V (proaccelerin, labi	201.50
	416402	NM_000715	Hs.1012	complement component 4-binding protein,	426.10
	425573	AB006423	Hs.158308	serine (or cysteine) proteinase inhibito	1.10
	421905	A1660247	Hs.32699	ESTs, Weakly similar to LIV-1 protein [H	0.62
	406572	M26041	Hs.198253	major histocompatibility complex, class	4.02
70	431369	BE184455	Hs.251754	secretory leukocyte protease inhibitor (	5.34
	421712	AK000140	Hs.107139	hypothetical protein	5.62
	417233	W25005	Hs.24395	small inducible cytokine subfamily B (Cy	8.85
	442896	R37725	Hs.261108	ESTs	157.70
	410568	AA373210	Hs.43047	Homo sapiens cDNA FLJ13585 fs, clone PL	137.70
75	428486	AW583487	Hs.184804	pancreatic polypeptide	2.59
	457489	A1693815	Hs.127179	cryptic gene	3.23
	404868	NA		ENSP00000251112: Sodium/potassium-transp	2.84
	432874	W94322	Hs.279651	melanoma inhibitory activity	2.48
	445891	AW391342	Hs.199460	ESTs	70.38
80	404682	NA		C9001188:gi12738842|ref|NP_073725.1| p	1.38
	428547	AW009166	Hs.99376	ESTs	6.85
	441085	AW136551	Hs.181245	Homo sapiens cDNA FLJ12532 fs, clone NT	5.21
	422397	AJ223366	Hs.116051	Homo sapiens cDNA: FLJ22495 fs, clone H	1.74
	446868	AV660737	Hs.135100	ESTs	102.10
	404287	NA		C6001909:gi704441|bj|BAA18909.1| (D298	242.70
	443267	AW450630	Hs.133851	ESTs	96.90
	451635	AA018899	Hs.127179	cryptic gene	2.16

5	417801	AA417383	Hs.82582	integrin, beta-like 1 (with EGF-like rep	131.70
	414142	AW368397	Hs.150042	Homo sapiens cDNA FLJ14438 fls, clone HE	128.70
	425921	NM_007231	Hs.162211	solute carrier family 6 (neurotransmitter)	92.90
	410309	BE043077	Hs.278153	ESTs	108.80
	425842	AI587490	Hs.158623	NK-2 (Drosophila) homolog B	170.10
	431938	AA938471	Hs.54431	specific granule protein (28 kDa); cyste	75.70
	449592	AI655494	Hs.195718	ESTs	4.58
	414259	W44633	Hs.301296	Homo sapiens cDNA: FLJ23131 fls, clone L	188.50
10	406585	M18728		gbrHuman nonspecific crossreacting anti	1123.60
	411573	AB029000	Hs.70823	KIAA1077 protein	995.60
	429201	X03176	Hs.198246	group-specific component (vitamin D bind	11.32
	418318	U47732	Hs.84072	transmembrane 4 superfamily member 3	8.38
	426698	AA652773	Hs.334838	KIAA1866 protein	662.00
	444754	T83911	Hs.11881	transmembrane 4 superfamily member 4	4.00
15	432596	AJ224741	Hs.278461	matrilin 3	283.50
	428824	W23624	Hs.173059	ESTs	4.55
	444006	BE395085	Hs.10086	type I transmembrane protein Fn14	3.01
	424971	AA479005	Hs.154036	tumor suppressing subtransferable candid	4.21
20	418394	AF132818	Hs.84728	Kruppel-like factor 5 (Intestinal)	4.80
	448844	AI581519	Hs.177164	ESTs	382.80
	420908	AL049874	Hs.100261	Homo sapiens mRNA; cDNA DKFZp564B222 (fr	133.90
	423585	BE350494	Hs.49753	uveal autoantigen with coiled coil domai	128.20
	428392	H10233	Hs.2285	secretory granule, neuroendocrine protei	13.83
25	429597	NM_003816	Hs.2442	a disintegrin and metalloproteinase doma	316.00
	452571	W31518	Hs.34665	ESTs	245.50
	433846	AI085198	Hs.164226	ESTs	189.40
	435032	AA150797	Hs.109276	lactin protein	291.10
	448030	N30714	Hs.325960	membrane-spanning 4-domains, subfamily A	252.20
30	422109	S73265	Hs.1473	gastrin-releasing peptide	278.20
	430407	H23551	Hs.30974	ESTs	6.20
	419235	AW470411	Hs.288433	neutrimin	423.50
	449048	Z45051	Hs.22920	similar to S68401 (cattle) glucose induc	4.01
	444301	AK000136	Hs.10760	asporin (LRR class 1)	499.90
35	427333	AF067797	Hs.176658	aquaporin 8	1.05
	417931	W85642	Hs.82961	trefoil factor 3 (Intestinal)	4.33
	407777	AA161071	Hs.71465	squalene epoxidase	3.64
	435652	N32388	Hs.334370	uncharacterized hypothalamus protein HBE	1.47
	421341	AJ243212	Hs.279611	deleted in malignant brain tumors 1	3.98
40	453935	AI633770	Hs.42572	ESTs	2.08
	431629	AL077025	Hs.265827	interferon, alpha-inducible protein (cio	3.84
	439737	AI751438	Hs.41271	Homo sapiens mRNA full length insert cDN	14.21
	426227	U67058	Hs.168102	Human proteinase activated receptor-2 mR	315.70
	413554	AA319146	Hs.75426	secretogranin II (chromogranin C)	8.53
45	412104	AW205197	Hs.240951	Homo sapiens, Similar to RIKEN cDNA 2210	3.13
	410310	J02931	Hs.62192	coagulation factor III (thromboplastin,	9.33
	440484	BE328156	Hs.150356	ESTs	1.03
	447395	AI418412	Hs.184793	Homo sapiens cDNA: FLJ21680 fls, clone H	1.09
50	440099	AL080058	Hs.6909	DKFZP564G202 protein	14.74
	434665	AA642125		gbarr60c01.s1 NCLCGAP_Lym3 Homo sapiens	0.88
	452194	AI694413	Hs.332649	olfactory receptor, family 2, subfamily	2.23
	408915	NM_016651	Hs.48950	hepatocellular carcinoma novel gene-3 pro	329.40
	424411	NM_005209	Hs.146549	crystallin, beta A2	1.71
55	426575	M74826	Hs.170803	glutamate decarboxylase 2 (pancreatic is	2.69
	445417	AK001058	Hs.12680	Homo sapiens cDNA FLJ10196 fls, clone HE	1.70
	426322	J05068	Hs.2012	transcobalamin I (vitamin B12 binding pr	3.19
	429010	Y18198	Hs.184725	one cut domain, family member 2	1.96
	414420	AA043424	Hs.76095	Immediate early response 3	2.54
60	422565	BE259035	Hs.118400	spinged (Drosophila)-like (sea urchin fas	3.30
	414004	AA737033	Hs.7155	ESTs, Moderately similar to Z115357A TYK	312.80
	441350	AB020690	Hs.7782	paraneoplastic antigen MA2	177.80
	406173	#(NOCAT)		ENSP00000250148*:Growth hormone variant	1.46
	409776	#(NOCAT)		ENSP00000226542*:Small inducible cytokin	121.80
	403574	NA		Target Exon	16.12
65	428832	AA578229	Hs.324239	ESTs, Moderately similar to ZN91_HUMAN Z	3.94
	458449	H04482	Hs.29019	ESTs	71.60
	409958	NM_001523	Hs.57697	hyaluronan synthase 1	1.77
	437100	AI761073	Hs.14535	Homo sapiens cDNA: FLJ22314 fls, clone H	3.13
	451181	AI796330	Hs.207461	ESTs	68.00
70	440508	BE267911	Hs.196970	ESTs	38.00
	429538	AA455892	Hs.163232	ESTs	30.70
	419570	W88738		gls-zd37g06.s1 Soares_fetal_heart_NbHH19W	1.02
	431779	AW971178	Hs.268571	apolipoprotein C-I	3.36
	431723	AW068350	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	10.20
75	428330	L22524	Hs.2258	matrix metalloproteinase 7 (MMP7; uterin	3.94
	423961	D13666	Hs.136348	osteoblast specific factor 2 (fascidin	1171.10
	414359	M62194	Hs.75929	cadherin 11, type 2, OB-cadherin (osteob	809.50
	440482	AA866658	Hs.50873	ESTs	9.95
	414602	AW630088	Hs.76550	Homo sapiens mRNA; cDNA DKFZp584B1264 (f	30.70
80	423401	NM_001992	Hs.128087	coagulation factor II (thrombin) recepto	62.90
	452239	AW379378	Hs.170121	protein tyrosine phosphatase, receptor t	26.01
	433364	AI075407	Hs.596083	ESTs, Moderately similar to I54374 gene	5.38
	409335	NM_001502	Hs.53985	glycoprotein 2 (zymogen granule membrane	0.54
	420876	AA918425	Hs.177744	ESTs	0.89

	430154	AW583058	Hs.234726	serine (or cysteine) proteinase inhibitor	0.94
	401732	#(NOCAT)		NM_001176: Homo sapiens Rho GDP dissociation	1.13
	404142	NA		Target Exon	1.33
5	424165	AW582904	Hs.142255	Islet amyloid polypeptide	2.95
	413880	AI660842	Hs.110915	Interleukin 22 receptor	1.34
	407007	U2261		gb: Human mRNA clone with similarity to L	1.57
	426300	U15979	Hs.169228	delta-like homolog (Drosophila)	1.48
	432855	AF017988	Hs.279585	secreted frizzled-related protein 5	1.28
10	424503	NM_002205	Hs.149609	integrin, alpha 5 (fibronectin receptor,	1.31
	445730	AI624342	Hs.170042	ESTs	2.14
	406666	V00495	Hs.184411	albumin	2.95
	435849	BE305242	Hs.18098	claudin 2	1.96
	426784	U03749	Hs.172216	chromogranin A (parathyroid secretory pr	2.49
	430272	X04898	Hs.237658	apolipoprotein A-II	3.29
15	412374	X01388	Hs.73849	apolipoprotein C-II	2.42
	419276	BE165909	Hs.306881	MSTP043 protein	83.40
	415448	T68645	Hs.952	solute carrier family 10 (sodium/bile ac	3.52
	423541	AA296922	Hs.129778	gastrointestinal peptide	3.16
	428355	BE256452	Hs.2257	vitronectin (serum spreading factor, som	6.24
20	425551	AA359252	Hs.126485	hypothetical protein FLJ12804; KIAA1692	14.67
	455630	AV666701	Hs.75183	cytochrome P450, subfamily IIE (ethanol-	4.30
	428786	Y16577	Hs.2314	mannose-binding lectin (protein C) 2, co	92.10
	420726	K02402	Hs.1330	coagulation factor IX (plasma thrombopla	203.30
	451253	H48299	Hs.26126	claudin 10	1.37
25	420923	AF097021	Hs.273321	differentially expressed in hematopoietic	3.38
	413881	L00190	Hs.75599	serine (or cysteine) proteinase inhibitor	7.04
	431930	AB036301	Hs.272211	cadherin 7, type 2	5.84
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy	2.65
	419354	M62839	Hs.1252	apolipoprotein H (beta-2-glycoprotein I)	9.28
30	422237	M13149	Hs.1498	histidine-rich glycoprotein	34.26
	437145	AF007216	Hs.6462	solute carrier family 4, sodium bicarbon	1.92
	414386	X00442	Hs.75590	haploglobin	8.32
	425247	NM_005940	Hs.155324	matrix metalloproteinase 11 (MMP11; stro	1.74
35	452689	F33868	Hs.284176	transferrin	6.51
	436624	T64297	Hs.5241	fatty acid binding protein 1, liver	35.08
	409187	AF154830	Hs.50966	carbamoyl-phosphate synthetase 1, mitoch	170.30
	426874	W32133	Hs.194368	transferrin (prealbumin, amyloidosis t	2.34
	405849	#(NOCAT)		Target Exon	103.10
40	405281	#(NOCAT)		NM_002864: Homo sapiens pregnancy-zone pr	31.20
	419078	M93119	Hs.89584	Insulinoma-associated 1	6.28
	422095	AI668872	Hs.282804	hypothetical protein FLJ22704	2.89
	425834	NM_001639	Hs.1957	amyloid P component, serum	3.80
	452304	AA025386	Hs.61311	ESTs, Weakly similar to S10590 cysteine	1.82
45	407244	M10014	Hs.75431	fibrinogen, gamma polypeptide	13.15
	450400	AI694722	Hs.279744	ESTs	5.22
	413916	N49813	Hs.75615	apolipoprotein C-II	8.60
	444632	AI184027	Hs.146586	ESTs, Weakly similar to FATH_HUMAN CADHE	71.30
	415906	AI761357	Hs.288741	Homo sapiens cDNA: FLJ22256 f1s, clone H	1.70
50	410197	NM_005518	Hs.59889	3-hydroxy-3-methylglutaryl-Coenzyme A sy	4.65
	417368	BE185289	Hs.1075	small proline-rich protein 1B (cornfin)	3.01
	436961	AW375974	Hs.156704	ESTs	164.60
	446319	AW207590	Hs.160711	ESTs	1.88
	427899	AA829286	Hs.332053	serum amyloid A1	6.88
55	419092	J05581	Hs.89903	mucin 1, transmembrane	2.12
	421515	Y11339	Hs.105352	GalNAc alpha-2, 6-sialyltransferase 1, 1	132.20
	452340	NM_002202	Hs.505	ISL1 transcription factor, LIM/homeodoma	6.23
	406319	NA		CX0078[bg][6879197][ref]NP_032800.1[pol	51.50
	404286	NA		C6001908[g][704441][dbj]BAA18908.1[D298	1.75
60	419183	U60669	Hs.89663	cytochrome P450, subfamily XXIV (vitamin	52.90
	406293	NA		Target Exon	68.30
	431912	AI680552	Hs.154903	ESTs, Weakly similar to A56154 Abl subet	102.43
	409327	L41162	Hs.63563	collagen, type IX, alpha 3	205.30
	425200	BE255203	Hs.155101	ATP synthase, H transporting, mitochondr	5.78
65	418738	AW388633	Hs.6682	solute carrier family 7, (cationic amino	200.10
	416861	AA634543	Hs.79440	IGF-II mRNA-binding protein 3	97.70
	434699	AA643687	Hs.149425	Homo sapiens cDNA FLJ11980 f1s, clone HE	3.96
	429921	AA526811	Hs.82772	collagen, type XI, alpha 1	30.00
	428758	AA433588	Hs.98502	hypothetical protein FLJ14303	4.66
70	446998	N98013	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	193.80
	418478	U38945	Hs.1174	cyclin-dependent kinase inhibitor 2A (me	3.05
	420001	J05084	Hs.1282	complement component 6	159.00
	449038	AL133084	Hs.22908	Homo sapiens mRNA; cDNA DKFZp434J1027 (f	39.10
	423184	NM_004428	Hs.1624	aphrin-A1	2.39
75	428505	AL035461	Hs.2281	chromogranin B (secretogranin 1)	327.90
	444783	AK001488	Hs.62180	anillin (Drosophila Scars homolog), act	90.60
	445593	AW203963	Hs.150896	ESTs	49.20
	450701	H39960	Hs.288487	Homo sapiens cDNA FLJ12280 f1s, clone MA	3.12
	424420	BE614743	Hs.146688	prostaglandin E synthase	1.93
80	408660	AA525775	Hs.292523	ESTs, Moderately similar to PC4259 ferri	39.90
	417940	R28205	Hs.24230	ESTs	57.20
	434206	AW136973	Hs.288516	ESTs, Weakly similar to S69890 mitogen i	2.51
	439920	H05430	Hs.288433	neurotrophin	1.91
	432542	AW083920	Hs.16098	claudin 2	3.47

	410418	D31382	Hs.63325	transmembrane protease, serine 4	3.82
	415989	AJ267700	Hs.317584	ESTs	182.50
	414987	AA524394	Hs.294022	hypothetical protein FLJ14950	2.84
5	400024			AFFX control - HUMRGE/M10098_5	4.62
	418067	AI127958	Hs.83393	cystatin E/M	4.19
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	2.92
	405909	NA		Target Exon	71.80
	448811	AI590371	Hs.174759	ESTs	6.74
10	430044	AA464510	Hs.152812	ESTs	14.91
	406690	M29540	Hs.220528	cardioembryonic antigen-related cell ad	757.80
	418245	AA088767	Hs.83683	transmembrane, prostate androgen induced	1.65
	423733	AA330281		gb:EST33985 Embryo, 12 week II Homo sapi	104.70
	450154	R15891	Hs.281587	Human (clone CTG-A4) mRNA sequence	143.00
15	422487	AJ010901	Hs.198267	mucin 4, tracheobronchial	311.80
	424902	NM_003866	Hs.153687	inositol polyphosphate-4-phosphatase, ly	63.00
	422330	D30783	Hs.115263	epiregulin	141.70
	436749	AA584890	Hs.53302	lectin, galactoside-binding, soluble, 4	2.59
	423634	AW959908	Hs.1690	heparin-binding growth factor binding pr	181.90
20	430691	C14187	Hs.103538	ESTs	95.80
	401682	NA		Target Exon	6.17
	422440	NM_004812	Hs.116724	aldo-keto reductase family 1, member B10	318.60
	431441	U61961	Hs.2784	sodium channel, nonvoltage-gated 1 alpha	2.51
	442580	AA365042	Hs.228598	ESTs, Weakly similar to 2004399A chromos	3.80
25	414812	X72755	Hs.77367	monokine induced by gamma interferon	434.60
	425211	M18667	Hs.1867	progastricin (pepsinogen C)	6.58
	421430	AW207555	Hs.97093	Homo sapiens cDNA: FLJ23004 fis, clone L	35.10
	419693	AA133749	Hs.301350	FXFD domain-containing ion transport reg	2.45
	409420	Z15008	Hs.54451	laminin, gamma 2 (nicotin (100kD), kalin	8.58
30	448437	AW470125		gb:aw60c04.x1 NCLCGAP_Pan1 Homo sapiens	79.80
	406671	AA129547	Hs.285754	met proto-oncogene (hepatocyte growth fa	147.30
	411558	AA102570	Hs.70725	gamma-aminobutyric acid (GABA) A recepto	30.07
	424586	NM_003401	Hs.150930	X-ray repair complementing defective rep	55.10
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (CX	405.20
35	438746	AI885815	Hs.184727	ESTs	3.57
	456032	AW967446	Hs.301711	ESTs	136.80
	431808	M30703	Hs.270833	amphiregulin (schwannoma-derived growth	36.10
	423472	AF041260	Hs.129057	breast carcinoma amplified sequence 1	9.93
	439759	AL359055	Hs.67709	Homo sapiens mRNA full length insert cDN	146.40
40	442295	AI827248	Hs.224398	Homo sapiens cDNA FLJ11469 fis, clone HE	20.60
	428928	BE409538	Hs.194857	cadherin 1, type 1, E-cadherin (epitheli	1.58
	437157	BE048860	Hs.120655	ESTs	91.80
	404285	NA		C8001909:gi704441[dbj|BAA18909.1|] [D298	123.80
45	424036	AA770688	Hs.28777	H2A histone family, member L	5.26
	422026	U80736	Hs.110826	trinucleotide repeat containing 9	130.40
	428664	AK001665	Hs.189095	similar to SALL1 (sal (Drosophila)-like	48.80
	437935	AW939591	Hs.5940	mucin 13, epithelial transmembrane	3.15
	423575	C18863	Hs.163443	Homo sapiens cDNA FLJ11576 fis, clone HE	253.20
	422956	BE545072	Hs.122579	hypothetical protein FLJ10481	80.00
50	406722	H27498	Hs.293441	Homo sapiens SNC73 protein (SNC73) mRNA,	3.05
	413278	BE563085	Hs.833	Interferon-stimulated protein, 15 kDa	1.66
	439750	AL359053	Hs.57684	Homo sapiens mRNA full length insert cDN	23.02
	434377	AW137148	Hs.306593	Homo sapiens cDNA FLJ11382 fis, clone HE	78.10
	425428	AL110261	Hs.157211	OKFZP586B0621 protein	1.74
55	421298	AW172431	Hs.13012	ESTs	133.10
	422424	AI186431	Hs.296538	prostate differentiation factor	2.65
	421582	AI910275	Hs.1406	trefoil factor 1 (pS2)	5.17
	401480	NA		Target Exon	73.70
60	409269	AA576953	Hs.22872	hypothetical protein FLJ13352	137.70
	409757	NM_001898	Hs.123114	cystatin SN	9.36
	449722	BE280074	Hs.23980	cyclin B1	162.70
	452240	AI591147	Hs.61232	ESTs	151.80
	415165	AW887604	Hs.78065	complement component 7	2.85
65	423673	BE003054	Hs.1685	matrix metalloproteinase 12 (macrophage	280.30
	428450	NM_014791	Hs.184339	KIAA0175 gene product	6.89
	409041	AB033025	Hs.50081	KIAA1199 protein	334.10
	453331	AI240665	Hs.8895	ESTs	12.85
	400288	X08256	Hs.149609	integrin, alpha 5 (fibronectin receptor,	12.42
70	453160	AI263307	Hs.239884	H2B histone family, member L	158.40
	444015	AI472865	Hs.135534	ESTs	14.60
	421308	AA687322	Hs.192843	leucine zipper protein FKSG14	87.20
	448045	AJ297436	Hs.20166	prostate stem cell antigen	526.20
	422426	W79117	Hs.58559	ESTs	58.30
	450737	AW007152	Hs.203330	ESTs	281.00
75	429504	X09133	Hs.204238	lipocalin 2 (oncogene 24p3)	31.25
	466553	AA721325	Hs.189058	ESTs, Highly similar to Similar to a C.e	78.00
	413281	AA861271	Hs.222024	transcription factor BMAL2	212.10
	417866	AW067903	Hs.82772	collagen, type XI, alpha 1	3.40
	431630	NM_002204	Hs.265829	integrin, alpha 3 (antigen CD49C, alpha	3.48
80	400298	AA032279	Hs.61635	six transmembrane epithelial antigen of	281.50
	431753	X76029	Hs.2841	neuromedin U	60.50
	428651	AF196478	Hs.188401	annexin A10	508.30
	424905	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	85.80
	433132	AB026264	Hs.284245	hypothetical protein IMPACT	55.30

	435039	AW043921	Hs.130526	ESTs	64.00
	447033	A1357412	Hs.157601	ESTs	123.20
	433578	BE336888	Hs.3416	adipose differentiation-related protein	9.22
5	422511	AU076442	Hs.117938	collagen, type XVII, alpha 1	525.70
	411274	NM_002776	Hs.69423	kallikrein 10 (KLK10) (PRSS1) {nes1}	44.36
	452705	H49805	Hs.246005	ESTs	120.10
	428479	Y00272	Hs.184572	cell division cycle 2, G1 to S and G2 to	92.30
	425397	J04088	Hs.156346	topoisomerase (DNA) II alpha (170kD)	29.37
10	422582	A1962060	Hs.118397	AE-binding protein 1	3.84
	428579	NM_005756	Hs.184942	G protein-coupled receptor 64	27.80
	428242	H55709	Hs.2250	leukemia inhibitory factor (cholinergic	4.09
	440868	R79707	Hs.263339	ESTs, Moderately similar to 138022 hypot	76.30
	421493	BE300341	Hs.104925	ectodermal-neural crest (with BTB-like	2.37
15	410199	AW377424	Hs.205126	Homo sapiens cDNA: FLJ22667 fis, clone H	3.44
	426320	W47695	Hs.169300	transforming growth factor, beta 2	138.10
	419290	A1128114	Hs.112885	spinal cord-derived growth factor-B	3.45
	459309	AA040620	Hs.6672	hypothetical protein AF140225	127.80
	415138	C18365	Hs.295944	tissue factor pathway inhibitor 2	361.20
20	422583	A1697720	Hs.171455	ESTs, Weakly similar to T31613 hypotheti	138.60
	432375	BE536069	Hs.2962	S100 calcium-binding protein P	6.87
	400534	#(NOCAT)		C22000015.gi12741327.ref|XP_008833.2| z	89.00
	428970	BE276891	Hs.194691	retinoic acid induced 3	4.78
25	423739	AA398155	Hs.97600	ESTs	135.60
	450375	AA009847	Hs.8850	a disintegrin and metalloproteinase doma	148.50
	423554	M00516	Hs.1674	glutamine-fructose-6-phosphate transamin	87.70
	407001	U12471	Hs.247054	Human thrombospondin-1 gene, partial cds	76.80
	419261	X07876	Hs.89791	wingless-type MMTV integration site fam1	110.80
30	419948	A8041035	Hs.93847	NM_016931:Homo sapiens NADPH oxidase 4 (	234.60
	428471	X57348	Hs.184510	stratillin	3.72
	427051	BE178110	Hs.173374	Homo sapiens cDNA FLJ10500 fis, clone NT	437.90
	425234	AW152225	Hs.165909	ESTs, Weakly similar to 138022 hypotheti	219.20
	419842	AA765489	Hs.104350	ESTs	3.80
35	418007	M13509	Hs.83169	matrix metalloproteinase 1 (MMP1; inters	606.80
	444207	A1665004	Hs.79572	cathepsin D (lysosomal aspartyl protease	2.62
	442432	BE093569	Hs.38178	hypothetical protein FLJ23468	258.70
	413753	U17760	Hs.75517	laminin, beta 3 (nicotin (125kD), kaïnin	304.80
	441384	AA447849	Hs.288660	Homo sapiens cDNA: FLJ22182 fis, clone H	8.78
	418327	U70370	Hs.84136	paired-like homeodomain transcription fa	10.95
40	452401	NM_007115	Hs.29352	tumor necrosis factor, alpha-induced pro	199.70
	438199	AW016531	Hs.122147	ESTs	67.70
	422420	U03398	Hs.1524	tumor necrosis factor (ligand) superfam1	107.20
	431183	NM_005855	Hs.250698	KDEL (Lys-Asp-Glu-Leu) endoplasmic retic	3.59
	417389	BE260964	Hs.82045	midkine (neutro growth-promoting factor	3.45
45	421937	A1878857	Hs.109706	hematological and neurological expressed	3.17
	427961	AW283165	Hs.143134	ESTs	109.30
	422043	AL133649	Hs.110953	retinoic acid induced 1	2.98
	426711	AA383471	Hs.180669	conserved gene amplified in osteosarcoma	276.50
50	450983	AA305384	Hs.25740	ERO1 (S. cerevisiae)-like	5.28
	410268	AA316181	Hs.61635	six transmembrane epithelial antigen of	27.85
	433001	AF217513	Hs.279905	clone HQ0310 PRO0310p1	342.30
	424086	A1351010	Hs.102267	lysyl oxidase	213.50
	432731	R31178	Hs.287820	fibronectin 1	185.10
	416209	AA236776	Hs.79078	MAD2 (mitotic arrest deficient, yeast, h	106.10
55	414085	AA114016	Hs.75746	aldehyde dehydrogenase 1 family, member	2.27
	417308	H50720	Hs.81892	KIAA0101 gene product	405.30
	438146	Z36842	Hs.57548	ESTs	8.38
	424800	AL035588	Hs.153203	MyoD family inhibitor	172.10
	416143	A1955650	Hs.79033	glutamyl-peptide cyclotransferase (glu	45.70
60	408390	AF123050	Hs.44532	diubiquitin	11.18
	412140	AA219691	Hs.73625	RAB6 interacting, kinesin-like (rabkines	149.10
	422963	M79141	Hs.13234	ESTs	33.60
	409956	AW103364	Hs.727	inhibin, beta A (activin A, activin AB a	6.73
65	407756	AA116021	Hs.38260	ubiquitin specific protease 18	8.96
	424897	D63216	Hs.153684	fizzled-related protein	312.40
	421110	AJ250717	Hs.1355	cathepsin E	790.80
	411789	AF245605	Hs.72157	DKFZP564I1822 protein	3.17
	421485	AA243499	Hs.104800	hypothetical protein FLJ10134	8.62
70	409632	W74001	Hs.55279	serine (or cysteine) proteinase inhibito	558.00
	406937	R70292	Hs.156140	immunoglobulin kappa constant	4.38
	426440	BE382756	Hs.169902	solute carrier family 2 (facilitated glu	2.83
	421470	R27496	Hs.1378	annexin A3	242.90
	407242	M18728		gb:Human nonspecific crossreacting anti	36.91
	432101	A1918950	Hs.123642	EphA3	221.60
75	406687	M31126	Hs.272620	matrix metalloproteinase 11 (MMP11; stro	5.34
	429170	NM_001384	Hs.2359	dual specificity phosphatase 4	292.00
	408308	AL033377	Hs.44197	hypothetical protein DKFZp564D0462	184.90
	435202	A1971313	Hs.170204	KIAA0551 protein	64.80
80	407216	N91773	Hs.102267	lysyl oxidase	73.70
	409231	AA446644	Hs.692	GA733-2 antigen; epithelial glycoprotein	3.20
	407881	AW072003	Hs.40968	heparan sulfate (glucosamine) 3-O-sulfot	288.70
	407811	AW190902	Hs.40098	cysteine knot superfamily 1, BMP antagon	502.60
	420899	NM_001629	Hs.100194	arachidonate 5-lipoxygenase-activating p	6.13
	441020	W79283	Hs.36962	ESTs	178.90

5	453857	AL080236	Hs.35861	DKFZP586E1621 protein	504.30
	428966	AF059214	Hs.194687	cholesterol 25-hydroxylase	242.10
	413435	X51405	Hs.75360	carboxypeptidase E	7.30
	436476	AA326108	Hs.33829	bHLH protein DEC2	247.20
	406747	AI925153	Hs.217493	annexin A2	110.00
	455800	R22479	Hs.167073	Homo sapiens cDNA FLJ13047 fis, clone NT	112.10
	431211	M86849	Hs.323733	gap junction protein, beta 2, 26kD (conn	583.90
	431890	X17033	Hs.271986	integrin, alpha 2 (CD49B, alpha 2 subuni	6.66
10	431958	X63629	Hs.2877	cadherin 3, type 1, P-cadherin (placenta	460.90
	444665	BE613126	Hs.47783	B aggressive lymphoma gene	204.40
	437763	AA469369	Hs.5831	tissue inhibitor of metalloproteinase 1	7.75
	418970	AF147204	Hs.89414	chemokine (C-X-C motif), receptor 4 (fus	14.61
	424660	AA158727	Hs.150555	protein predicted by clone 23733	99.80
15	436396	AI683487	Hs.152213	wingless-type MMTV integration site fami	242.20
	407137	T97307		gb:ye53h05.s1 Soares fetal liver spleen	17.88
	410668	BE379794	Hs.65403	hypothetical protein	4.18
	427660	AI741320	Hs.114121	Homo sapiens cDNA: FLJ23228 fis, clone C	116.40
	408826	AF216077	Hs.48376	Homo sapiens clone HB-2 mRNA sequence	60.30
20	424577	AA292998	Hs.163900	ESTs	4.18
	416498	U33632	Hs.79351	potassium channel, subfamily K, member 1	334.20
	447343	AA256641	Hs.236894	ESTs, Highly similar to S02392 alpha-2-m	8.16
	451277	AK001123	Hs.26176	hypothetical protein FLJ10261	375.30
	446133	AW157646	Hs.153506	ESTs	292.40
25	414799	AI752416	Hs.77326	Insulin-like growth factor binding prote	4.38
	431806	AF188114	Hs.270737	tumor necrosis factor (ligand) superfam	89.00
	437330	AL353944	Hs.50115	Homo sapiens mRNA; cDNA DKFZp761J1112 (f	322.10
	410667	U24389	Hs.65436	lysyl oxidase-like 1	9.10
	417409	BE272506	Hs.82109	syndecan 1	4.05
30	426471	M22440	Hs.170009	transforming growth factor, alpha	138.60
	458809	AW972512	Hs.20985	sin3-associated polypeptide, 30kD	250.50
	446625	AW970786	Hs.178470	hypothetical protein FLJ22662	4.89
	450508	NM_004460	Hs.418	fibroblast activation protein, alpha	11.76
	433336	AF017886	Hs.31386	secreted frizzled-related protein 2	4.79
35	408491	AI088063	Hs.7882	ESTs	8.25
	437802	AI475995	Hs.122910	ESTs	4.54
	408296	AL117452	Hs.44155	DKFZP586G1517 protein	175.10
	421155	H87879	Hs.102267	lysyl oxidase	170.10
	451310	AW250851	Hs.26213	Human DNA sequence from clone RP3-447F3	2.91
40	439867	AA847510	Hs.161292	ESTs	261.60
	417771	AA804698	Hs.82547	retinoic acid receptor responder (lazar	723.00
	410763	AF279145	Hs.8966	hypothetical protein FLJ21776	251.70
	431385	BE178536	Hs.11090	membrane-spanning 4-domains, subfamily A	155.50
	457180	R26022	Hs.194662	calponin 3, acidic	68.00
45	424408	AI754813	Hs.146428	collagen, type V, alpha 1	17.19
	452679	Z42387	Hs.83883	transmembrane, prostate androgen induced	5.32
	425139	AW830488	Hs.325820	protease, serine, 23	371.90
	432978	AF126743	Hs.279884	DNAJ domain-containing	7.27
	406850	AI624300	Hs.172928	collagen, type I, alpha 1	19.30
50	421991	NM_014918	Hs.110488	KIAA0990 protein	190.50
	421814	L12360	Hs.108623	thrombospondin 2	15.02
	409703	NM_006187	Hs.56009	2'-5'-oligoadenylate synthetase 3 (100 k	28.57
	452281	T93500	Hs.28792	Homo sapiens cDNA FLJ11041 fis, clone PL	519.20
	413048	M93221	Hs.75182	mannose receptor, C type 1	240.80
55	404210	#(NOCAT)		NM_005936:Homo sapiens myeloid/lymphoid	404.60
	452862	AW378066	Hs.8687	ESTs	364.20
	447072	D61694	Hs.17279	tyrosylprotein sulfotransferase 1	228.20
	426935	NM_000088	Hs.172928	collagen, type I, alpha 1	4.31
60	427390	AI432163	Hs.268231	Homo sapiens cDNA: FLJ23111 fis, clone L	10.41
	417259	AW903638	Hs.81800	chondroitin sulfate proteoglycan 2 (vers	22.46
	451295	AI567212	Hs.17132	ESTs, Moderately similar to I54374 gene	23.74
	448589	BE382657	Hs.21486	signal transducer and activator of trans	6.68
	417148	AA369896	Hs.293885	hypothetical protein FLJ14902	190.80
	432359	AA076048	Hs.274415	Homo sapiens cDNA FLJ10229 fis, clone HE	230.60
65	422278	AF072873	Hs.114218	frizzled (Drosophila) homolog 6	361.90
	422545	X02761	Hs.287820	fibronectin 1	8.81
	442379	NM_004613	Hs.8266	transglutaminase 2 (C polypeptide, prote	7.30
	417412	X16896	Hs.82112	Interleukin 1 receptor, type I	267.20
	422110	AI378736	Hs.111779	secreted protein, acidic, cysteine-rich	6.07
70	431512	BE270734	Hs.2795	lactate dehydrogenase A	270.10
	417433	BE270266	Hs.82128	ST4 oncofetal trophoblast glycoprotein	504.60
	426369	AF134157	Hs.169487	Kreiser (mouse) mat-related leucine zip	10.62
	437470	AL350147	Hs.134742	hypothetical protein DKFZp547D065	2.80
	417944	AU077196	Hs.82985	collagen, type V, alpha 2	14.01
75	428797	AA486205	Hs.193700	Homo sapiens mRNA; cDNA DKFZp586I0324 (f	9.15
	434423	NM_006769	Hs.3844	LIM domain only 4	297.30
	426125	X87241	Hs.166994	FAT tumor suppressor (Drosophila) homolo	486.20
	422573	AW297885	Hs.295726	integrin, alpha V (vitronectin receptor	9.73
	421552	AF026892	Hs.105700	secreted frizzled-related protein 4	762.90
80	424730	NM_003358	Hs.23703	ESTs, Moderately similar to CEGT_HUMAN C	7.61
	400133	NA		Eos Control	357.00
	444381	BE387335	Hs.283713	ESTs, Weakly similar to S64054 hypotheti	1150.30
	422048	NM_012445	Hs.288126	spondin 2, extracellular matrix protein	4.50
	446019	AI362520	Hs.279789	histone deacetylase 3	11.26

426490	NM_001621	Hs.170087	aryl hydrocarbon receptor	459.50
422687	AW068823	Hs.119206	Insulin-like growth factor binding prote	2.68
432401	NM_013330	Hs.274479	NME7	4.99
437223	C15105	Hs.330716	Homo sapiens cDNA FLJ14368 fis, clone HE	7.65

Table 41B

Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Pkey	CAT	Number	Accessions
416913	163001_1	AW934714	BE161007 BE102500 AW749902 AW749864 BE162498 BE161005 AA190449 AW513465 BE161006 BE162499
419570	1860504_1	W68738	W68831
423733	231476_1	AA330281	0AA330232 AW962521
434665	390530_1	AA642125	AA664515
448437	763310_1	AW470125	AI734872 AI749559 AW856504 AI583942 AW779036 AW843429 AWB44876 AI520713 AW847236

Table 41C

Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham I. et al., Nature (1999) 402:489-495.
 Strand: Indicates DNA strand from which exons were predicted.
 NL_position: Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	NL_position
400534	6981826	Minus	278637-279292
400560	9843598	Plus	94182-94323,97056-97243,101095-101236,102824-103005
400836	8954179	Plus	677-1188
401201	9743387	Minus	138534-138629,139234-139294,140121-140335,142033-142479
401480	7321503	Plus	166120-166347,166451-166557,169851-169832
401541	8072607	Minus	50018-50158
401682	4755167	Plus	13022-13473
401732	1200312	Plus	19346-19525,19625-19708,19897-19973,20067-20130,20215-20414
403207	7630829	Plus	89914-90033,90729-90855,91131-91198
403574	8101156	Plus	5542-6178
403776	7770611	Minus	1414-1513,1624-1755
404142	9856582	Minus	80316-80459
404210	5008246	Plus	165926-170121
404285	2326514	Plus	32282-32416
404286	2326514	Plus	51086-51301
404287	2326514	Plus	53134-53281
404682	9797231	Minus	40977-41150
404666	9356919	Minus	11743-11929
405281	6139075	Minus	34202-34351,35194-35336,45412-45475,45731-45958,47296-47457,49549-49658,49790-49904,50231-50342,53583-53667,54111-54279
405849	7651817	Minus	17705-18287
405909	7705180	Minus	86985-87233
406173	7230224	Plus	12925-13213
406293	5586274	Minus	17646-17953
406319	8211730	Minus	82320-82581
406399	9256288	Minus	63448-63554

TABLE 42A: 574 genes upregulated in pancreatic cancer relative to normal body tissues

Table 42A lists about 574 genes upregulated in pancreatic cancer relative to normal body tissues that are likely to encode proteins amenable to modulation by small molecules, peptides, or antibodies. These genes were selected from 55680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of have oncogenic function or of transducing intracellular signals, or of being modifiable by small molecules, peptides, or antibodies (e.g. pkinase, death-domain, 7tm, phosphatase, or ion transporter). Certain predicted protein domains are noted.

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar accession number, GenBank accession number
 UniGeneID: UniGene number
 Pred.Protdomains: Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:276-280).
 UniGene Title: UniGene gene title
 R1: 90th percentile of pancreatic cancer AIs divided by the 50th percentile of normal tissue AIs
 R2: 90th percentile of pancreatic cancer AIs divided by the 90th percentile of normal pancreas AIs, where the 15th percentile of all normal tissue AIs was subtracted from both the numerator and denominator

Pkey; ExAccn; UniGeneID; UniGene Title; Pred.Protdomains; R1; R2

426230; AA357019; Hs.241395; proleace, serine, 1 (trypsin 1); trypsin, toxin_4; SS=M; 107.29; 1.07
 415934; NM_009228; Hs.992; phospholipase A2, group IB (pancreas); phosphl; SS=M; 83.67; 1.06
 421996; AW583807; Hs.1460; glucagon; hormone2; SS=M; 59.35; 1.61
 406399; ; NM_003122; Homo sapiens serine protease; kazal; SS=M; 55.49; 1.08
 444381; BE387335; Hs.283713; hypothetical protein BC014245; Collagen; TM=M; SS=M; 53.65; 43.61

- 406685; M18728; ; gb:Human nonspecific crossreacting anti; ig; TM=M; SS=M; 52.73; 22.83
 428698; AA852773; Hs.334838; KIAA1866 protein; none; NA; NA; 32.44; 13.11
 437145; AF007216; Hs.5462; solute carrier family 4, sodium bicarbon; HCO₃ cotransp; TM=Y; 29.80; 1.46
 428874; W32133; Hs.194366; transthyretin (prealbumin, amyloidosis t; Transthyretin; SS=M; 28.42; 1.94
 444754; T83911; Hs.374341; transmembrane 4 superfamily member 4; none; TM=Y; SS=M; 28.78; 3.13
 418068; AW971155; Hs.293902; ESTs, Weakly similar to ISHUS protein d; none; TM=M; SS=M; 28.61; 0.98
 438091; AW373062; Hs.351546; nuclear receptor subfamily 1, group 1, m; hormone_rec; zf-C4; none; 25.36; 3.63
 413719; BE439580; Hs.75498; small inducible cytokine subfamily A (Cy; IL8; SS=M; 24.64; 7.21
 417771; AA804698; Hs.82547; retinoic acid receptor responder (lazar; none; none; 23.77; 6.74
 414998; NM_002543; Hs.77729; oxidized low density lipoprotein (lectin; lectin_c; TM=Y; SS=M; 22.98; 4.57
 418318; U47732; Hs.84072; transmembrane 4 superfamily member 3; transmembrane4; TM=Y; SS=M; 22.31; 5.42
 425573; AB006423; Hs.158308; serine (or cysteine) proteinase inhibitor; serpin; GCV_H; TM=M; SS=M; 21.91; 1.03
 433110; D56494; Hs.3191; rat regenerating islet-derived-like, hum; lectin_c; TM=M; SS=M; 21.90; 0.60
 426490; NM_001621; Hs.170087; aryl hydrocarbon receptor; PAC; PAS; TM=M; 21.41; 19.89
 453863; X02544; Hs.572; orosomucoid 1; lipocalin; aldedh; ubiquitin; IRK; SS=M; 20.80; 8.12
 421126; M74587; Hs.102122; insulin-like growth factor binding prote; thyroglobulin_1; IGFBP; SS=Y; 20.60; 8.48
 451035; AU076785; Hs.430; plasmin 1 (I isoform); efnand; CH; Adaplin_N; SS=M; 19.25; 3.53
 413859; AW992356; Hs.8364; Homo sapiens pyruvate dehydrogenase kin; SAM_PNT; none; 18.38; 2.53
 420332; NM_001756; Hs.1305; serine (or cysteine) proteinase inhibitor; serpin; TM=M; SS=M; 18.19; 2.29
 438089; W05391; Hs.351546; nuclear receptor subfamily 1, group 1, m; hormone_rec; zf-C4; none; 17.67; 4.80
 417428; NM_002291; Hs.82124; laminin, beta 1; laminin_EGF; laminin_N; integrin_B; SS=M; 17.08; 6.37
 427509; M62505; Hs.2161; complement component 5 receptor 1 (C5a; 1; 7m_1; TM=Y; SS=M; 16.89; 7.15
 441031; A110684; Hs.7645; fibrinogen, B beta polypeptide; fibrinogen_C; G-alpha; arf; TM=M; SS=M; 16.59; 7.74
 445033; AV652402; Hs.72901; cyclin-dependent kinase inhibitor 2B (p1; ank; 16.28; 9.22
 431183; NM_006855; Hs.250696; KDEL (Lys-Asp-Glu-Leu) endoplasmic retic; ER_lumen_recapt; TM=M; SS=M; 15.96; 2.38
 444784; D12485; Hs.11951; ectonucleotide pyrophosphatase/phosphodi; Somatomedin_B; Endonuclease; Phosphodi; TM=Y; SS=M; 15.65; 1.33
 408243; Y00787; Hs.624; interleukin 8; HLH; PAS; IL8; TM=M; 15.53; 4.34
 419355; AA428520; Hs.90061; progesterone binding protein; heme_1; TM=Y; SS=M; 15.45; 10.50
 426006; R49031; Hs.22627; ESTs; pkinase; TBC; 15.17; 0.58
 433376; AU249361; Hs.74122; caspase 4, apoptosis-related cysteine pr; CARD; ICE_p10; ICE_p20; SS=M; 14.84; 3.04
 422260; AA315933; Hs.105484; regenerating gene type IV; lectin_c; SS=M; 14.71; 2.69
 430280; AA361258; Hs.237868; Interleukin 7 receptor; fa3; none; 14.28; 11.47
 408983; NM_000492; Hs.663; cystic fibrosis transmembrane conductanc; ABC_tran; ABC_membrane; PRK; Bac_export_3; TM=Y; 13.98; 1.18
 414812; X72755; Hs.77367; monokine induced by gamma interferon; IL8; TM=M; SS=Y; 13.81; 7.69
 429170; NM_001394; Hs.2359; dual specificity phosphatase 4; Rhodanese; DSPc; Y_phosphatase; Ribosomal_S3_N; TM=M; 13.59; 2.24
 425988; BE045897; Hs.63985; ESTs, Weakly similar to I33022 hypotheti; none; none; 13.54; 0.95
 408512; AW979187; Hs.293591; melanoma differentiation associated prot; DEAD; helicase_C; CARD; TM=M; 13.48; 3.59
 429556; AW139399; Hs.98988; ESTs; none; TM=M; 13.20; 1.16
 417079; U65590; Hs.81134; interleukin 1 receptor antagonist; IL1; SS=M; 12.83; 7.72
 427286; AW732802; Hs.2132; epidermal growth factor receptor pathway; SH3; TonB_box; C; TM=M; 12.72; 9.01
 431912; A1660552; Hs.356183; ESTs, Weakly similar to A56154 Abl subet; none; Acyl-CoA_dh; Acyl-CoA_dh_M; Acyl-CoA_dh_N; 12.72; 6.72
 412116; AW402166; Hs.784; Epstein-Barr virus induced gene 2 (lymph; 7m_1; TM=Y; SS=M; 12.71; 12.58
 425397; J04088; Hs.158346; topoisomerase (DNA) II alpha (170kD); DNA_gyraseB; DNA_topoisolV; HATPase_c; SS=M; 12.52; 4.92
 408142; AL136877; Hs.50758; SMC4 (structural maintenance of chromoso; ABC_tran; M; SMC_N; SMC_C; DUF164; none; 12.38; 7.59
 428157; A1738719; Hs.198427; hexokinase 2; hexokinase; hexokinase2; none; 12.34; 11.53
 424273; W40480; Hs.144442; phospholipase A2, group X; phoslip; TM=M; SS=Y; 12.32; 3.02
 414821; M63836; Hs.77424; Fc fragment of IgG, high affinity Ia; nr; ig; TM=Y; SS=M; 12.29; 2.21
 415323; BE269352; Hs.949; neutrophil cytosolic factor 2 (65kD; chr; SH3; TPR; TM=M; 12.18; 4.14
 427283; AL119796; Hs.174185; ectonucleotide pyrophosphatase/phosphodi; Sulfatase; Somatomedin_B; Phosphodi; Endonuclease; TM=M; SS=Y; 11.97; 5.93
 434779; AF153815; Hs.50151; potassium inwardly-rectifying channel, s; IRK; TM=Y; 11.76; 1.58
 426227; U67058; Hs.154299; Human proteinase activated receptor-2 mR; 7m_1; TM=Y; SS=M; 11.75; 3.56
 412228; AW503785; Hs.73792; complement component (3d/Epstein Barr vt; aushi; TM=Y; SS=M; 11.67; 3.77
 450737; NM_007152; Hs.63325; transmembrane protease, serine 4; trypsin; ktl_recept_a; none; 11.65; 4.52
 439750; AL339053; Hs.57664; Homo sapiens mRNA full length insert cDN; IMPDH_C; IMPDH_N; CBS; Integrin_B; Rcin_B; lectin; 11.56; 5.46
 431512; BE270734; Hs.2795; lactate dehydrogenase A; kdh; kdh_C; SH3; pkinase; UBA; TM=M; 11.55; 5.11
 429638; A1916682; Hs.211577; kinase receptor; bZIP; Tropomyosin; spectrin; LBP; BPL_CETP; B50; M; TM=Y; SS=M; 11.47; 4.65
 445133; AW157646; Hs.198689; ESTs; efnand; spectrin; GAS2; SH3; Plectin; RA; Xylose_isom; FliD; bZIP; Tropomyosin; Myo-LZ; M; kdh_C; CH; AIP3; TM=M; 11.41; 12.62
 411352; NM_002890; Hs.758; RAS p21 protein activator (GTPase activa; SH2; SH3; C2; PH; RasGAP; TM=M; SS=M; 11.24; 8.95
 447343; AA256841; Hs.236894; ESTs, Highly similar to S02392 alpha-2-m; none; none; 11.19; 4.16
 422816; BE300330; Hs.118725; selenophosphate synthetase 2; AIRS; AIRS_C; TM=M; 11.17; 5.98
 422241; Y00062; Hs.170121; protein tyrosine phosphatase, receptor t; Kinase; fn3_Y_phosphatase; TM=M; 11.14; 9.09
 440594; AW445167; Hs.126038; ESTs; none; none; 11.05; 16.45
 425288; AW139342; Hs.155530; interferon, gamma-inducible protein 18; PAAD; DAPIN; HIN; SS=M; 11.05; 10.38
 427700; AA252294; Hs.180383; dual specificity phosphatase 6; Rhodanese; DSPc; TM=M; 11.05; 4.70
 448811; A1590371; Hs.199480; ESTs; none; TM=Y; 10.85; 9.69
 424321; W74048; Hs.1765; lymphocyte-specific protein tyrosine kin; SH2; SH3; pkinase; TM=M; 10.72; 8.85
 429083; Y09397; Hs.227817; BCL2-related protein A1; Bcl-2; TM=M; 10.51; 12.97
 424247; X14008; Hs.234734; lysosyme (renal amyloidosis); lys; ig; FAD_Synth; kdh; kdh_C; pkinase; SS=M; 10.37; 6.35
 435856; A1469355; Hs.127310; ESTs; pkinase; nm; TM=M; 10.35; 2.74
 427337; Z46223; Hs.176663; Fc fragment of IgG, low affinity IIb; r; ig; TM=Y; SS=M; 10.34; 3.14
 417018; M16038; Hs.80887; v-yes-1 Yamaguchi sarcoma viral related ; SH2; SH3; pkinase; TM=M; 10.34; 4.47
 418289; AA279530; Hs.83968; integrin, beta 2 (antigen CD18 (p95); ly; integrin_B; EGF; PS; TM=Y; SS=M; 10.21; 4.58
 451820; AW058357; Hs.199248; ESTs; 7m_1; TM=Y; SS=M; 10.18; 2.67
 413048; M93221; Hs.75182; mannose receptor, C type 1; fn2; lectin_a; Rcin_B; lectin; Xfkn; TM=Y; SS=M; 10.17; 8.35
 429752; H52348; Hs.36636; ESTs; pkinase; pkinase; 10.13; 12.35
 452721; A289529; Hs.301871; solute carrier family 37 (glycerol 3-pho; MORN; sugar_tr; TM=Y; SS=M; 10.08; 8.74
 421462; AF016495; Hs.104624; aquaporin 9; MIP; TM=Y; SS=M; 10.05; 6.06
 452698; NM_001295; Hs.301921; chemokine (C-C motif) receptor 1; 7m_1; TM=Y; SS=M; 9.98; 3.16
 416389; AA180072; Hs.149846; integrin, beta 5; integrin_B; none; 9.86; 9.59
 421044; AF061871; Hs.101302; Human DNA sequence from clone RP1-238D15; fn3; ywa; Collagen; TSPN; TM=M; SS=M; 9.78; 5.96
 446620; A4128808; Hs.179902; transporter-like protein; none; TM=Y; SS=M; 9.75; 2.64
 405102; ; C15011220.gi44695581gb|AAD21311.1| (AF; DAG; PE-blind; PH; RhoGEF; DC; SS=M; 9.74; 1.88
 418693; A1750876; Hs.87409; thrombospondin 1; EGF; tep_1; ywa; TSPN; tep_3; SS=M; 9.72; 6.94

- 426535; AU077012; Hs.288582; ESTs, Weakly similar to ubiquitous TPR m; Kunitz_BPTI,Kunitz_BPTI,7tm_2,HRM; 9.68; 10.58
 448105; AW591433; Hs.298241; Transmembrane protease, serine 3; Id_recept_a, trypsin; TM=Y; SS=M; 9.67; 4.06
 456266; L29073; Hs.198726; cold shock domain protein A; 7tm_2,HRM,CSD; TM=Y; SS=M; 9.62; 2.36
 410240; AL157424; Hs.61289; synaptotagmin 2; Exo_ando_phos,Syja_N,rm,Gram-ve_porins; TM=M; 9.62; 3.77
 457001; J03258; Hs.2062; vitamin D (1,25-dihydroxyvitamin D3) re; hormone_rec,zf-C4,Metallothio_5; TM=M; 9.60; 8.05
 456373; BE247706; Hs.89751; membrane-spanning 4-domains, subfamily A; none; TM=Y; 9.57; 3.77
 416847; L43821; Hs.80261; enhancer of filamentation 1 (cas-like do; SH3; TM=M; 9.58; 10.50
 437158; AW090198; Hs.348709; KIAA1150 protein; none; NA; NA; 9.55; 8.87
 426108; AA622037; Hs.166468; programmed cell death 5; DUF122; TM=M; 9.47; 5.67
 403344; ; NM_000341; Homo sapiens solute carrier fa; alpha-amylase; TM=Y; 9.47; 1.42
 448543; AF070632; Hs.23729; Homo sapiens clone 24405 mRNA sequence; K_tetra,lon_trans; none; 9.46; 3.12
 433233; AB040927; Hs.301804; KIAA1494 protein; SH3,zf-C3HC4; TM=M; 9.42; 4.01
 444838; AV651680; Hs.208558; ESTs; Integrin_A,FG-GAP; none; 9.42; 1.87
 438803; AA001021; Hs.65885; thyroid hormone receptor interactor 5; none; none; 9.41; 5.55
 428505; AL035461; Hs.2281; chromogranin B (secretogranin 1); Granin; SS=M; 9.40; 3.46
 411213; AA676939; Hs.69285; neuropilin 1; MAM,F5_F8_type_C,CUB,CUB,MAM,F5_F8_type_C; 9.38; 6.32
 432810; AA663400; Hs.374489; ESTs; none; Skp1,AA6; 9.38; 4.36
 427581; NM_014788; Hs.179703; KIAA0129 gene product; SPRY,zf-B_box; TM=M; 9.34; 8.26
 413108; AW389845; Hs.110855; ESTs, similar to leukemia virus receptor; PHO4; none; 9.34; 4.67
 428450; NM_014791; Hs.184339; KIAA0175 gene product; KA1,pkinase; TM=M; 9.31; 4.24
 408113; T82427; Hs.194101; Homo sapiens cDNA: FLJ20869 fis, clone A; 7tm_3; none; 9.24; 7.12
 448030; N30714; Hs.325980; membrane-spanning 4-domains, subfamily A; none; TM=Y; SS=M; 9.23; 6.03
 437672; AW748265; Hs.5741; flavohemoprotein b57; heme_1,NAD_binding,lipoxygenase,FAD_binding_8; TM=M; 9.22; 10.72
 416498; U33632; Hs.79351; potassium channel, subfamily K, member 1; lon_trans; TM=Y; SS=M; 9.20; 4.45
 409958; AW103364; Hs.727; hhlbln, beta A (activin A, activin AB & TGF-beta,TGFb_propeptide,Tub; SS=M; 9.19; 16.46
 413098; AA494369; Hs.30715; potassium voltage-gated channel, Isk-rel; none; START; 9.15; 2.18
 418838; AW385224; Hs.35198; ecdonucleotide pyrophosphatase/phosphodi; Phosphodi; TM=Y; SS=M; 9.14; 3.03
 452980; AK001335; Hs.31137; protein tyrosine phosphatase, receptor t_Y_phosphatase; none; 9.14; 11.75
 417821; BE245149; Hs.82643; protein tyrosine kinase 9; coflin_ADF; SS=M; 9.11; 4.29
 427157; U51166; Hs.173824; thymine-DNA glycosylase; UDG; TM=M; 9.05; 9.68
 431341; AA307211; Hs.251531; proteasome (prosome, macropain) subunit; proteasome; TM=M; 9.05; 5.61
 413367; NM_006517; Hs.75317; solute carrier family 16 (monocarboxylic; sugar_lr; TM=Y; 9.04; 5.79
 437298; AA350994; Hs.20281; KIAA1700; Rhodanese, DSPc; TM=M; 9.02; 5.75
 418888; AU076801; Hs.89436; cadherin 17, L1 cadherin (liver-intestin; cadherin; TM=Y; SS=M; 8.94; 5.01
 446406; AL553681; Hs.348490; Arg/Abi-interacting protein ArgBP2; Sorb; none; 8.91; 1.77
 428820; AA436187; Hs.172631; Integrin, alpha M (complement component; vwa,Integrin_A,FG-GAP; TM=Y; SS=M; 8.85; 4.74
 434398; AA121088; Hs.3838; serum-inducible kinase (SNK); pkinase,PCLO_box; TM=M; 8.78; 4.54
 453902; BE502341; Hs.3402; ESTs; none; none; 8.72; 3.71
 433334; AB272208; Hs.231958; matrix metalloproteinase 28; Peptidase_M10; none; 8.71; 4.28
 446488; AB037782; Hs.15119; KIAA1361 protein; pkinase; SS=M; 8.70; 3.71
 450247; AF123303; Hs.24713; hypothetical protein; ehfand,milo_carr; TM=Y; SS=M; 8.68; 3.40
 432101; AB18950; Hs.123642; EphA3; fn3,pkinase,SAM,EPH_jbd; TM=Y; SS=M; 8.62; 5.62
 410763; AF279145; Hs.8986; hypothetical protein FLJ21776; none; none; 8.61; 13.53
 422278; AF072873; Hs.114218; frizzled (Drosophila) homolog 6; Fz,Frtzled,7tm_2; TM=Y; SS=M; 8.55; 4.82
 425465; L18964; Hs.1904; protein kinase C, iota; pkinase,DAG_PE-blnd,pkinase_C,OPR; TM=M; 8.50; 3.18
 419111; AA234172; Hs.137418; ESTs; none; IRK; 8.47; 7.51
 430024; AB08780; Hs.227730; Integrin, alpha 6; integrin_A,FG-GAP; TM=Y; SS=M; 8.45; 3.45
 447574; AF162666; Hs.18895; leucine-like kinase 1; pkinase; TM=M; 8.45; 5.30
 447217; BE465754; Hs.17778; neuropilin 2; CUB,MAM,F5_F8_type_C; TM=M; SS=M; 8.44; 6.30
 419034; NM_002110; Hs.89555; hemopoietic cell kinase; SH2,SH3,pkinase; TM=M; 8.43; 4.87
 405555; ; homeodomain-interacting protein kinase 3; trypsin; TM=M; 8.39; 0.68
 417412; X16886; Hs.82112; interleukin 1 receptor, type I; ig,TIR; TM=M; SS=M; 8.35; 4.74
 405556; ; homeodomain-interacting protein kinase 3; trypsin; TM=M; 8.31; 0.87
 407687; AK002011; Hs.37558; hypothetical protein FLJ11149; lya,ig,FAD_Synth,Kdh,ldh_C,pkinase; SS=M; 8.28; 3.12
 408061; AB23351; Hs.172148; ESTs; PH,RhoGAP; none; 8.27; 5.65
 449523; NM_000579; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1; TM=Y; SS=M; 8.26; 5.49
 429732; U20168; Hs.2488; lymphocyte cytosolic protein 2 (SH2 doma; SH2; SS=M; 8.24; 8.91
 405204; ; NM_002086; Homo sapiens growth factor re; SH2,SH3; TM=M; 8.23; 6.43
 426808; T19228; Hs.172572; hypothetical protein FLJ20093; ank,pkinase,UPF0073; SS=M; 8.20; 6.11
 428428; AL037544; Hs.184288; cyclin-dependent kinase 7 (homolog of Xa; pkinase; TM=M; 8.18; 8.37
 450375; AA009547; Hs.352537; a disintegrin and metalloproteinase doma; Reprolysin,Pep_M12B_propep,disintegrin; 8.17; 12.24
 443303; U67319; Hs.9218; caspase 7, apoptosis-related cysteine pr; pkinase,ICE_p10,ICE_p20; TM=M; SS=M; 8.16; 4.61
 413132; NM_006823; Hs.75209; protein kinase (cAMP-dependent, catalytic); PKI; SS=M; 8.15; 11.12
 428513; BE220806; Hs.184697; Homo sapiens clone 23785 mRNA sequence; PSI; none; 8.13; 13.28
 429345; R11141; Hs.199895; hypothetical protein; K_tetra,SAM; 8.13; 1.15
 425838; NM_014071; Hs.159613; nuclear receptor coactivator RAP250; per; none; TM=M; 8.12; 4.54
 425836; AW955696; Hs.90960; ESTs; Cbl_N,Cbl_N2,Cbl_N3,UBA,zf-C3HC4; none; 8.11; 7.47
 406366; ; secreted frizzled-related protein 4; trypsin; SS=M; 8.05; 0.69
 429663; M68874; Hs.211587; phospholipase A2, group IVA (cytosolic; C2,PLA2_B; TM=M; 8.04; 5.20
 458948; AA009716; Hs.42311; ESTs; none; DSPc,Y_phosphatase; 8.02; 1.93
 425280; U31519; Hs.1872; phosphoenolpyruvate carboxykinase 1 (sol; PEPC; TM=M; 7.97; 19.33
 445800; AA126419; Hs.32944; inositol polyphosphate-4-phosphatase, ty; none; none; 7.90; 11.44
 449444; AW818436; Hs.351306; solute carrier family 16 (monocarboxylic; none; TM=Y; SS=M; 7.89; 7.00
 426167; AF039023; Hs.167496; RAN binding protein 8; Armadillo_seg,HEAT_PBS; 7.83; 11.16
 400408; S75765; ; Homo sapiens delta CCK-B gene, partial c; 7tm_1; none; 7.81; 0.78
 448362; AA641767; Hs.21015; hypothetical protein DKFZp564L0864 simil; sugar_tr; TM=Y; SS=M; 7.78; 7.02
 457670; AF119666; Hs.23449; insulin receptor tyrosine kinase substr; SH3; TM=M; 7.75; 2.63
 409799; D11928; Hs.76845; phosphoserine phosphatase-like; Hydrolase; TM=M; 7.72; 2.68
 447887; AA114050; Hs.19945; caspase 8, apoptosis-related cysteine pr; ICE_p10,ICE_p20,DED; TM=M; 7.68; 2.40
 421684; BE281591; Hs.106768; hypothetical protein FLJ10511; Armadillo_seg; SS=M; 7.49; 6.57
 434699; AA643687; Hs.149425; Homo sapiens cDNA FLJ11980 fis, clone HE; Nucleotide_tra2; none; 7.47; 2.53
 417880; BE241586; Hs.82848; selectin L (lymphocyte adhesion molecule; EGF_lactin_c,sushi; TM=M; SS=M; 7.38; 5.60
 436729; BE621807; Hs.351316; transmembrane 4 superfamily member 1; none; TM=Y; SS=M; 7.29; 5.78

- 428970; BE276891; Hs.194691; retinoic acid induced 3; 7tm_3; TM=Y; SS=M; 7.26; 11.00
- 426761; A015709; Hs.172089; PORIMIN Pro-oncosis receptor inducing me; none; TM=Y; SS=M; 7.25; 7.22
- 413880; A1660842; Hs.110915; interleukin 22 receptor; Tissue_fac; TM=Y; SS=M; 7.24; 0.98
- 416945; BE246762; Hs.89499; arachidonate 5-lipoxygenase; lipoxygenase; PLAT; TM=M; 7.22; 6.45
- 413441; A1929374; Hs.75367; Src-like adapter; SH2,SH3; TM=M; 7.20; 5.72
- 426158; NM_001982; Hs.189067; v-erb-b2 avian erythroblastic leukemia v; Furin-like, pkinase, Recep_1_domain, Furin-like, pkinase, Recep_1_domain, Peptidase_M24; 7.13; 3.97
- 428474; A0203182; Hs.184523; KIAA0965 protein; pkinase; TM=M; 7.13; 5.43
- 421582; A1910275; Hs.350470; trefol factor 1 (breast cancer, estrogen, estrogen, trefol, Gastrin; SS=M; 7.08; 21.61
- 449843; R85337; Hs.24030; solute carrier family 31 (copper transp; none; TM=Y; SS=M; 7.07; 6.18
- 452110; T47667; Hs.28005; Homo sapiens cDNA FLJ11309 fis, clone PL; pkinase, Activin_rec; none; 6.94; 4.82
- 451295; A1557212; Hs.17132; ESTs, Moderately similar to I54374 gene; pkinase, DAG_PE-bind, pkinase_C, OPR; none; 6.82; 15.34
- 430680; AW138724; Hs.168974; ESTs, Highly similar to ALU7_HUMAN ALU S; Y_phosphatase, Adaptor_N, Y_phosphatase; 6.88; 1.94
- 441600; AA939347; Hs.127223; Homo sapiens cysteine knot protein (ZSIC; 7tm_1, Idl_recept_a, LRR; SS=M; 6.86; 0.97
- 410687; U24389; Hs.65436; lysyl oxidase-like 1; Lysyl_oxidase; SS=M; 6.83; 7.24
- 425003; X58288; Hs.154151; protein tyrosine phosphatase, receptor t; fn3, Ig_Y_phosphatase, MAM; TM=Y; SS=M; 6.83; 11.43
- 400639; ; Target Exon; none; TM=M; 6.70; 1.19
- 431113; AK000673; Hs.274337; hypothetical protein FLJ20666; pkinase; TM=M; 6.65; 2.21
- 445280; AW055063; Hs.343220; v-ork avian sarcoma virus CT10 oncogene; SH2, SH3; none; 6.61; 10.66
- 425834; NM_001639; Hs.1957; amyloid P component, serum; pentaxin; TM=M; SS=M; 6.57; 2.20
- 435706; W31254; Hs.7045; GLO04 protein; PDEase, GAF; none; 6.55; 11.44
- 415906; A1751357; Hs.288741; Homo sapiens cDNA: FLJ22256 fis, clone H; Ephrin; none; 6.45; 5.25
- 408308; A1033377; Hs.44197; hypothetical protein DKFZp564D0462; none; none; 6.42; 9.14
- 432338; NM_002758; Hs.27382; protein kinase, Interferon-inducible dou; dsrm, pkinase; TM=M; 6.42; 4.12
- 417874; BE616160; Hs.82829; protein tyrosine phosphatase, non-recept; Y_phosphatase; TM=Y; 6.42; 2.26
- 446872; X97058; Hs.16362; pyrimidinergic receptor P2Y, G-protein c; 7tm_1; TM=Y; SS=M; 6.41; 4.54
- 444008; BE395085; Hs.40086; type 1 transmembrane protein Fn14; Idl_recept_a, PKD, MHC_1; TM=M; SS=Y; 6.38; 3.55
- 412970; A020436; Hs.177534; dual specificity phosphatase 10; Rhodanese, DSPC; SS=M; 6.35; 4.95
- 422583; AA410508; Hs.27973; KIAA0674 protein; ank, G-alpha; TM=M; 6.35; 3.56
- 452355; N54926; Hs.29202; G protein-coupled receptor 34; 7tm_1, OATP_C; TM=Y; 6.32; 11.02
- 422282; AF019225; Hs.114309; apolipoprotein L; MoA_Extb; TM=Y; SS=M; 6.32; 5.15
- 407235; D20569; Hs.169407; SAC2 (suppressor of acin mutations 2, y; none, Ribosome_S13, Galactosyl_T, Zip, adh, shor, Lzf-C3HC4; 6.30; 8.35
- 428486; AW583497; Hs.184604; pancreatic polypeptide; hormone3; TM=M; SS=Y; 6.29; 3.51
- 408847; AW290997; Hs.30348; ESTs; pkinase, Ig; none; 6.28; 3.63
- 428179; A127772; Hs.279898; serumglucocorticoid regulated kinase-li; pkinase, PX, pkinase_C, SS=M; 6.28; 3.50
- 443614; AV665388; Hs.7645; fibrinogen, B beta polypeptide; none; none; 6.26; 7.48
- 425354; U62027; Hs.155935; complement component 3a receptor 1; 7tm_1; TM=Y; SS=M; 6.26; 3.98
- 448888; AW156663; Hs.200242; caspase recruitment domain protein 8; CARD; TM=M; 6.21; 4.10
- 428180; A1129767; Hs.182874; guanine nucleotide binding protein (G pr; G-alpha, arf; TM=M; 6.18; 4.62
- 409245; AA361037; Hs.356436; tRNA isopentanylpurphosphate transferase; Armadillo_seg; TM=M; 6.17; 11.15
- 417952; A1192838; Hs.372643; dual-specificity tyrosine-(Y)-phosphoryl; pkinase; none; 6.17; 3.05
- 445701; AF055581; Hs.13131; lymphocyte adaptor protein; SH2, PH; TM=M; 6.16; 11.90
- 425910; AA830797; Hs.184760; CCAAT-box-binding transcription factor; none; TM=M; 6.10; 2.96
- 428797; AW936258; Hs.342849; ADP-ribosylation factor-like 5; arf, Ca_channel_B, SH3; 6.03; 3.17
- 408331; NM_007240; Hs.44229; dual specificity phosphatase 12; DSPC; TM=M; 5.99; 2.55
- 441384; AA447849; Hs.288660; Homo sapiens cDNA: FLJ22182 fis, clone H; 7tm_3; none; 5.97; 13.12
- 414217; A1309298; Hs.279898; Homo sapiens cDNA: FLJ23165 fis, clone L; none; NA; NA; 5.92; 6.47
- 418506; AA084248; Hs.85339; Unknown protein for MGC:29643; none; none; 5.91; 1.94
- 436345; AA873008; Hs.121572; ESTs; CARD, BIR, zf-C3HC4, CARD, BIR, zf-C3HC4; 5.90; 1.40
- 414087; W19712; gb2b36d03.r1 Soares, parathyroid_humoc_N; pkinase; none; 5.85; 0.90
- 430396; D49742; Hs.241363; hyaluronan-binding protein 2; ank, death, ZU5, EGF, krigle, trypsin, Nebulin, LIM; SS=M; 5.77; 1.24
- 431385; BE178538; Hs.11090; membrane-spanning 4-domains, subfamily A; none; none; 5.71; 4.00
- 427557; NM_002659; Hs.179857; plasminogen activator, urokinase receptor; UPAR_LY6, ET, PLA2_inh; SS=M; 5.71; 3.83
- 414171; AA360328; Hs.865; RAP1A, member of RAS oncogene family; pkinase, DAG_PE-bind, RBD, ras, OC1, GFP; TM=M; 5.69; 3.07
- 418870; AF147204; Hs.89414; chemokine (C-X-C motif), receptor 4 (fus; 7tm_1, 7tm_2; TM=Y; SS=M; 5.68; 12.92
- 425317; AW206118; Hs.210546; Interleukin 21 receptor; none; TM=Y; SS=M; 5.60; 5.45
- 417863; AB000450; Hs.82771; vaccinia related kinase 2; pkinase; TM=M; 5.58; 4.19
- 400151; ; Eos Control; AT_hook, DNA_nls_repair, HATPase_c, UQ_con; TM=M; 5.53; 8.13
- 450139; AK001838; Hs.355608; serumglucocorticoid regulated kinase; none; none; 5.52; 8.61
- 418209; X54942; Hs.83758; CDC28 protein kinase 2; CKS; 5.52; 10.04
- 433556; W56321; Hs.111460; calcium/calmodulin-dependent protein kin; pkinase; none; 5.51; 6.75
- 424701; NM_005923; Hs.151988; mitogen-activated protein kinase kinase; pkinase; TM=M; 5.47; 4.58
- 415875; AA894876; Hs.5587; protein phosphatase 1B (formerly 2C), ma; PP2C; TM=M; 5.43; 6.30
- 408761; AA057284; Hs.238936; ESTs, Weakly similar to (define not ava; 7tm_1; none; 5.42; 2.69
- 415444; BE247295; Hs.78452; solute carrier family 20 (phosphate tran; PHO4, LIM; TM=M; 5.37; 8.69
- 444184; T87841; Hs.282990; Human DNA sequence from clone RP1-28H20; pkinase, RIO1, APH, KOW; TM=M; 5.36; 3.32
- 410434; AF051152; Hs.63668; toll-like receptor 2; LRR, LRRCT, TIR; TM=M; SS=M; 5.36; 3.04
- 428023; NM_000312; Hs.2351; protein C (inactivator of coagulation fac; EGF, trypsin, gla; SS=M; 5.31; 4.30
- 421559; NM_014720; Hs.105751; Sit20-related serine/threonine kinase; pkinase, UVR; TM=M; 5.31; 3.26
- 429922; Z97630; Hs.225117; H1 histone family, member 0; linker_histone; TM=M; 5.27; 3.12
- 440882; AW362152; Hs.27181; nuclear receptor binding factor-2; cyclin, bZIP; TM=M; 5.28; 4.82
- 411553; AA102670; Hs.70725; gamma-aminobutyric acid (GABA) A recepto; Neur_chan_LBD, Neur_chan_memb; TM=Y; SS=M; 5.25; 11.26
- 428234; U93553; Hs.183123; nuclear receptor subfamily 5, group A, m; hormone_rec, zf-C4; SS=M; 5.20; 1.11
- 408683; R58665; Hs.46847; TRAF and TNF receptor-associated protein; Exo_endo_phos; TM=M; 5.19; 6.25
- 408657; AA782601; Hs.173328; ESTs; B56; none; 5.18; 5.47
- 438746; A1885815; Hs.184727; Human melanoma-associated antigen p97 (m; transferrin, Guanylate_kin, PDZ, SH3; 5.17; 4.02
- 436698; AW297855; Hs.361171; ESTs, Weakly similar to I38022 hypothet; lipoxygenase, PLAT; none; 5.16; 2.91
- 442200; AW590572; Hs.235768; ESTs; none; none; 5.11; 4.22
- 418738; AW388633; Hs.6682; solute carrier family 7, (cationic amino; none; none; 5.08; 2.71
- 419088; A1538323; Hs.367688; integrin, beta 8; Integrin_B; none; 5.07; 3.53
- 414555; N98569; Hs.76422; phospholipase A2, group IIA (platelets; ; phospho; TM=M; SS=Y; 5.05; 3.42
- 408414; A1114688; Hs.193400; ESTs, Weakly similar to I209260A B cell; fn3, Ig; TM=Y; SS=M; 5.05; 3.41
- 430407; H23551; Hs.30974; ESTs; pkinase, PBD; none; 5.03; 1.63
- 427127; AW802282; Hs.22265; pyruvate dehydrogenase phosphatase; PP2C; none; 5.00; 5.14

- 452194; A1694413; Hs.373599; Ubiquitin-like protein FAT10777 - dlbq; none; none; 4.98; 2.65
 410073; AW408163; Hs.58488; catenin (cadherin-associated protein), α ; Statmin,Vinculin;SS=M; 4.97; 10.60
 409430; R21945; Hs.346735; splicing factor, arginine/serine-rich 5; DSPc,Rhodanese,none; 4.96; 2.87
 432841; M93425; Hs.62; protein tyrosine phosphatase, non-recept; Y_phosphatase;SS=M; 4.88; 21.69
 433470; AW90564; Hs.351316; transmembrane 4 superfamily member 1; none; TM=Y;SS=M; 4.88; 4.60
 418529; AW005695; Hs.250897; TRK-fused gene; Band_41,ERM,pkinase,LRR,LRRCT,MAM,NucleoplasmIn,Tropomyosin,OPR,filament,bZIP,G-gamma,M,DUF164;TM=M; 4.79; 5.47
 421425; AK001664; Hs.104222; hypothetical protein FLJ10702; ehand,kazal,arf,ras,7tm_1;TM=M; 4.75; 5.41
 414135; NM_004419; Hs.2128; dual specificity phosphatase 5; Rhodanese,DSPc,Y_phosphatase;TM=M; 4.74; 9.76
 417640; D30857; Hs.82353; protein C receptor, endothelial (EPCR); none; TM=M;SS=M; 4.73; 4.68
 430630; AW269920; Hs.2621; cystatin A (stefin A); cystatin;TM=M; 4.66; 5.61
 452239; AW379378; Hs.356289; protein tyrosine phosphatase, receptor t; none; none; 4.63; 6.62
 427333; AF067797; Hs.176658; aquaporin 8; MIP;TM=Y;SS=M; 4.63; 0.80
 431680; X17033; Hs.271986; Integrin, alpha 2 (CD49B, alpha 2 subunit; vwa,Integrin_A,FG-GAP;TM=Y;SS=M; 4.58; 11.38
 428065; AW634046; Hs.167313; ESTs; ICE_p20,DED,ICE_p10,ICE_p20,DED; 4.55; 4.51
 428582; BE336699; Hs.185055; BENE protein; none; TM=Y;SS=M; 4.54; 8.76
 416224; NM_002902; Hs.79088; reticulocalbin 2, EF-hand calcium bindin; ehand;SS=M; 4.54; 19.57
 450056; BE047394; Hs.8208; ESTs, Weakly similar to S71512 hypothet; ABC_tran,ABC_membrane,Ig,MHC_JI_beta,SRP54,proteasome,ABC_membrane,ABC_tran; 4.49; 10.47
 414987; AA524394; Hs.294022; hypothetical protein FLJ14950; SH2;TM=M; 4.41; 7.27
 447232; AW499834; Hs.327; interleukin 10 receptor, alpha; none; TM=M;SS=M; 4.41; 10.25
 433208; AW002834; Hs.24095; ESTs; arf,Ca_channel_B,SH3; 4.39; 12.14
 403208; ; Target Exon; lectin_c,none; 4.37; 0.76
 440486; BE243513; Hs.7212; hypothetical protein PP1044; LRR,PAAD,DAPIN,AAA,CARD,NB-ARC,NA;NA; 4.36; 10.34
 414278; AA330116; Hs.355877; Human glucose transporter pseudogene; none; none; 4.35; 7.95
 424833; NM_003894; Hs.153405; period (Drosophila) homolog 2; PAS;SS=M; 4.34; 6.23
 422573; AW297985; Hs.295726; integrin, alpha V (vitronectin receptor; FG-GAP,Integrin_A,none; 4.32; 5.85
 416721; NM_002731; Hs.87773; protein kinase, cAMP-dependent, catalytic; pkinase,pkinase_C;SS=M; 4.31; 3.09
 412330; NM_005100; Hs.788; A kinase (PRKA) anchor protein (gravin) ; none; TM=M; 4.25; 12.74
 421939; BE169593; Hs.109727; TAK1-binding protein 2; KIAA0733 protein; zf-RanBP,CUE;TM=M; 4.25; 12.54
 414774; X02419; Hs.77274; plasminogen activator, urokinase; kringle,trypsin,plant_thionins;SS=M; 4.24; 6.91
 416526; BE019020; Hs.85838; solute carrier family 16 (monocarboxylic; none; TM=Y;SS=M; 4.22; 5.27
 415801; R24219; Hs.278443; Fc fragment of IgG, low affinity IIb; re; Ig;TM=Y; 4.16; 7.22
 417686; AW067903; Hs.82772; collagen, type XI, alpha 1; Collagen,COLFI,TSPN,laminin_G,CorA;SS=M; 4.16; 9.27
 445496; AB007860; Hs.12802; development and differentiation enhancin; SH3,ank,PH,ArfGap;TM=M; 4.16; 23.43
 436076; BE090176; Hs.178902; transporter-like protein; none; TM=Y;SS=M; 4.14; 3.76
 414462; BE622743; Hs.301064; arfap1n 1; none; none; 4.08; 13.43
 435730; AB020635; Hs.4984; KIAA0828 protein; AdoHcyase,TrkA-N,2-Hacid_DH_C;TM=M; 4.06; 9.12
 431681; AK000378; Hs.267566; hypothetical protein FLJ20371; sugar_tr;TM=Y; 4.04; 10.05
 429379; NM_014840; Hs.200588; KIAA0537 gene product; pkinase,RIO1;TM=M; 4.00; 6.35
 429061; Y14039; Hs.195175; CASP6 and FADD-like apoptosis regulator; ICE_p20,DED;TM=M; 3.99; 5.66
 405203; ; NM_002086; Homo sapiens growth factor re; SH2,SH3;TM=M; 3.96; 17.71
 409335; NM_001502; Hs.53985; glycoprotein 2 (zymogen granule membrane; zona_pellucida;TM=M;SS=M; 3.94; 0.58
 446008; NM_004403; Hs.13530; deafness, autosomal dominant 5; none; TM=M;SS=M; 3.89; 7.59
 413899; AF083882; Hs.75608; tight junction protein 2 (zona occludens; SH3,PDZ,Guanlylate_kin;TM=M; 3.84; 8.89
 438000; AB25880; Hs.5986; non-kinase Cdc42 effector protein SPEC2; none; TM=M; 3.83; 4.22
 418054; NM_002318; Hs.63354; lysyl oxidase-like 2; SRCR,Lysyl_oxidase;TM=M;SS=M; 3.81; 6.45
 450286; AW383256; Hs.24752; spectrin SH3 domain binding protein 1; SH3;TM=M; 3.78; 8.49
 417141; U22662; Hs.347353; nuclear receptor subfamily 1, group H, m; hormone_rec,zf-C4;SS=M; 3.77; 4.22
 456376; AA63904; Hs.89862; TNFRSF1A-associated via death domain; death;TM=M; 3.68; 4.92
 438113; A1467808; Hs.8882; ESTs; 7tm_1,none; 3.59; 12.12
 414683; AA926960; Hs.348669; COC28 protein kinase 1; CKS; 3.58; 10.93
 429952; AF080158; Hs.228573; inhibitor of kappa light polypeptide gen; pkinase,ubiquitin,Enterotoxin_A,PHO4,pkinase,ubiquitin; 3.57; 5.10
 415088; A077288; Hs.374374; serum glucocorticoid regulated kinase; none; none; 3.56; 4.60
 418478; U38945; Hs.1174; cyclin-dependent kinase inhibitor 2A (m; ank; 3.56; 4.52
 448569; BE382657; Hs.21486; signal transducer and activator of trans; SH2,STAT,STAT_bind,STAT_prot;TM=M; 3.54; B.19
 434806; AA805443; Hs.179909; hypothetical protein FLJ22995; none; TM=M; 3.52; 9.70
 400288; X05256; Hs.149809; Integrin, alpha 5 (fibronectin receptor; integrin_A,FG-GAP;TM=Y; 3.45; 6.44
 445350; AF052112; Hs.12540; lysophospholipase 1; abhydrolase_2;TM=M; 3.41; 6.03
 416255; AW135405; Hs.37251; ESTs; pkinase,none; 3.41; 13.97
 408822; AW500715; Hs.57079; Homo sapiens cDNA FLJ13267 fis, clone OV; PIP5K,none; 3.40; 8.97
 426432; AF001601; Hs.169857; paraoxonase 2; Arylesterase;TM=M; 3.39; 11.24
 431628; AU077025; Hs.265827; interferon, alpha-inducible protein (clo; none; TM=M;SS=Y; 3.39; 5.10
 414291; U128919; Hs.13040; G protein-coupled receptor 86; 7tm_1;TM=Y;SS=M; 3.38; 10.25
 457329; A1634880; Hs.247043; type 1 tumor necrosis factor receptor sh; Peptidase_M1;SS=M; 3.38; 13.78
 411125; AA151647; Hs.68877; cytochrome b-245, alpha polypeptide; none; TM=Y;SS=M; 3.36; 4.17
 443710; A1828136; Hs.9691; Homo sapiens cDNA: FLJ23249 fis, clone C; G-alpha,none; 3.32; 20.33
 454294; AB000734; Hs.50640; JAK binding protein; SH2;TM=M; 3.31; 6.94
 408912; AB011084; Hs.48924; KIAA0512 gene product; ALEX2; Annadillo_seg;TM=M;SS=M; 3.29; 3.07
 426728; NM_007118; Hs.367689; triple functional domain (PTPRF interact; SH3,Ig,pkinase,PH,spectrin,RhoGEF;TM=M; 3.27; 14.90
 427202; BE272922; Hs.173936; interleukin 10 receptor, beta; Tissue_fac;TM=Y;SS=M; 3.24; 4.49
 413076; U10564; Hs.75188; wee1 (S. pombe) homolog; pkinase;TM=M; 3.24; 12.27
 425976; C75094; Hs.334514; NG22 protein; voltage_CLC;TM=Y;SS=M; 3.23; 13.40
 417534; NM_004998; Hs.82261; myosin IE; SH3,myosin_head,IQ;TM=M; 3.21; 15.21
 458097; AW341135; Hs.58104; ESTs; none,SH3,PID; 3.21; 7.34
 437928; NM_005476; Hs.5920; UDP-N-acetylglucosamine-2-epimerase-N-ac; hexokinase,FGGY,ROK,Epiptase_2;SS=M; 3.20; 8.38
 425177; AF127577; Hs.155017; nuclear receptor interacting protein 1; none;SS=M; 3.19; 5.09
 416094; AW955512; Hs.225977; nuclear receptor coactivator 3; none; none; 3.18; 4.17
 453485; AA300067; Hs.102000; hypothetical protein DKFZp434N185; F5_F8_type_C,pkinase,Ets,F5_F8_type_C,pkinase,Ets; 3.17; 7.88
 414914; U49844; Hs.77613; ataxia telangiectasia and Rad3 related; FAT,FATC,PI3_PI4_kinase;TM=M; 3.16; 4.71
 412767; AA233808; Hs.286241; protein kinase, cAMP-dependent, regulator; SH3,7tm_2,cadherin,GPS,laminin_G,EGF,laminin_EGF,Sulfata_transp,STAS,cNMP_binding,R1a; 3.16; 7.19
 415862; AW972481; Hs.170510; ESTs, Highly similar to G01887 MEK kinase; pkinase,none; 3.16; 7.21
 407786; AA687538; Hs.38972; tetraspan 1; transmembrane4;TM=Y;SS=M; 3.15; 22.66

- 437175; AW968078; Hs.87773; protein kinase, cAMP-dependent, catalytic; pkinase, pkinase_C, none; 3.14; 11.72
 409270; BE090051; Hs.23120; PIST; tn3, pkinase, PDZ, DUF139; TM=Y; SS=M; 3.09; 7.81
 419591; AF090900; Hs.91393; Homo sapiens cDNA: FLJ21887 fis, clone H; PDZ, L27; TM=M; 3.06; 5.46
 447225; R62676; Hs.17820; Rho-associated, coiled-coil containing p; PH, pkinase, HR1, none; 3.04; 13.05
 412692; AF044288; Hs.74515; aryl hydrocarbon receptor nuclear trans; HLH, PAS, PAC; TM=M; 2.95; 12.28
 409274; NM_003930; Hs.52644; SKAP55 homologue; SH3, PH; SS=M; 2.90; 14.62
 417707; AL035788; Hs.82425; actin related protein 2/3 complex, subunit; none; TM=M; 2.90; 11.00
 427045; H86504; Hs.173328; protein phosphatase 2, regulatory subunit; B56; TM=M; 2.89; 6.12
 431177; NM_003304; Hs.250687; transient receptor potential channel 1; ion_trans, ank; TM=Y; 2.89; 6.63
 443426; AF098196; Hs.9329; chromosome 20 open reading frame 1; none; TM=M; 2.87; 9.18
 418646; AA224827; gbac32g04.s1 NCI_CGAP_Pr2 Homo sapiens; vwa, integrin_A, FG-GAP, none; 2.86; 9.94
 446668; W58353; Hs.285123; Homo sapiens mRNA full length insert cDN; NDK, PH, Oxysterol_BP; SS=M; 2.85; 14.25
 454080; AI199711; Hs.576; glucosidase, alpha-L-1, tissue; Alpha_L_gucos; TM=M; SS=M; 2.81; 28.84
 432874; W94322; Hs.279651; melanoma inhibitory activity; SH3; TM=M; SS=Y; 2.80; 10.53
 433000; U26710; Hs.3144; Cas-Br-M (murine) ectropic retroviral tr; zf-C3HC4, UBA, Cbl_N, Cbl_N2, Cbl_N3; 2.77; 10.93
 444488; AI192879; Hs.355660; ancient conserved domain protein 4; none, none; 2.77; 12.58
 417904; AI750762; Hs.82911; protein tyrosine phosphatase type IVA, m; Y_phosphatase, DSP; TM=M; 2.76; 12.78
 425204; NM_002436; Hs.1861; membrane protein, palmitoylated 1 (55kD); SH3, PDZ, Guanylate_kin; SS=M; 2.74; 5.71
 419282; AA834664; Hs.29131; nuclear receptor coactivator 2; PAS, zf-C2H2, SET; 2.73; 12.60
 410793; AW581906; Hs.66392; Intersectin 1 (SH3 domain protein); SH3, ehfand, C2, PH, Rho GEF, M; SS=M; 2.73; 9.84
 446081; AA972412; Hs.13755; f-box and WD-40 domain protein 2; WD40, F-box, Ribosomal_L14; TM=M; 2.71; 12.29
 414443; AU077268; Hs.76144; platelet-derived growth factor receptor; lg, pkinase; TM=Y; 2.71; 10.53
 452683; AI089575; Hs.34574; progesterone membrane binding protein; homeobox, none; 2.69; 12.53
 423533; NM_014339; Hs.129751; Interleukin 17 receptor; none; TM=Y; SS=M; 2.67; 8.69
 422627; BE336857; Hs.118787; transforming growth factor, beta-induced; Fasciclin, ABC_tran, ABC_membrane, GTP_EFTU; TM=M; SS=M; 2.67; 12.22
 453915; AA588721; Hs.12284; ribosomal protein L44; none, T-box; 2.65; 6.38
 416810; AF035606; Hs.80019; programmed cell death 6; ehfand; TM=M; 2.61; 13.89
 439658; AA332057; Hs.6639; hypothetical protein MGC15440; none; TM=M; SS=M; 2.58; 10.19
 449824; W30681; Hs.146233; Homo sapiens cDNA: FLJ22130 fis, clone H; SH3, none; 2.56; 19.04
 412926; AI879076; Hs.75061; macrophage myristoylated alanine-rich C; MARCKS; SS=M; 2.55; 14.99
 439237; AW408158; Hs.318893; ESTs, Weakly similar to A47582 B-cell gr; Furin-like, pkinase, Recep_L_domain, YLP, none; 2.52; 14.71
 409098; AA132672; Hs.7984; pleckstrin homology, Sec7 and coiled-coil; PH, Sec7; TM=M; 2.51; 14.51
 413040; AA193338; Hs.12321; sodium calcium exchanger; Na_Ca_Ex; TM=Y; SS=M; 2.49; 9.28
 422070; AF149786; Hs.11126; pituitary tumor-transforming 1 interact; TCPT; TM=M; SS=Y; 2.46; 12.49
 452289; BE568205; Hs.28827; mitogen-activated protein kinase kinase; pkinase; TM=M; 2.44; 6.68
 427657; AV652249; Hs.180107; polymerase (DNA directed), beta; none; TM=M; 2.43; 7.97
 446287; BE247683; Hs.14611; dual specificity phosphatase 11 (RNA/RNP; DSP; SS=M; 2.41; 9.51
 410017; AW952426; Hs.109438; Homo sapiens clone 24775 mRNA sequence; none, none; 2.41; 14.01
 424756; AW504657; Hs.152831; lamina B receptor; ERG4, ERG24, FKBP; TM=Y; 2.40; 5.98
 447580; AI953360; Hs.88201; ESTs; none, none; 2.36; 11.63
 426276; AW881411; Hs.169078; hypothetical protein FLJ23018; hormone_rec, zf-C4; TM=M; 2.34; 13.34
 424441; X14850; Hs.147097; H2A histone family, member X; histone, CBF2, NFYB_HMF; 2.33; 12.17
 429623; NM_005308; Hs.211669; G protein-coupled receptor kinase 5; pkinase, RGS; TM=M; 2.32; 15.80
 439866; AA280717; Hs.8727; Ras-GTPase activating protein SH3 domain; mm, NTF2; TM=M; 2.32; 12.48
 453648; W21493; Hs.28329; hypothetical protein FLJ14005; none, none; 2.31; 13.19
 443951; F13722; Hs.358835; ferritin, light polypeptide; PMP22, Claudin, none; 2.31; 8.51
 453327; AW500180; Hs.368109; tryptophanyl-tRNA synthetase; mm, vwa, FG-GAP; 2.30; 13.02
 439256; AA322302; Hs.183302; PCTAIRE protein kinase 2; none, none; 2.26; 10.36
 424467; AI829392; Hs.350026; DnaJ (Hsp40) homolog, subfamily B, member; DnaJ, pkinase, UBA, pkinase_C; SS=M; 2.26; 11.82
 426440; BE382756; Hs.169902; solute carrier family 2 (facilitated glu; sugar_tr; TM=Y; SS=M; 2.26; 12.54
 456607; AI660190; Hs.106070; cyclin-dependent kinase inhibitor 1c (p5; CDK; TM=M; 2.25; 13.11
 423980; AA164516; Hs.136309; SH3-containing protein SH3GLB1; SH3, none; 2.20; 20.05
 424058; AL121516; Hs.138817; thyroid hormone receptor interactor 12; HECT, WWE; TM=M; 2.20; 13.38
 446644; NM_003272; Hs.15791; transmembrane 7 superfamily member 1 (up; none; TM=Y; SS=M; 2.18; 15.68
 411218; H46440; Hs.180628; dynamin 1-like; dynamin, GED, none; 2.18; 13.83
 414721; X90392; Hs.77091; ribosomal protein L10; Exo_endo_phos, Ribosomal_L10e, Acyltransferase, SCP; TM=M; SS=M; 2.14; 11.24
 421769; AA027986; Hs.107879; small membrane protein 1; none; TM=Y; SS=M; 2.14; 14.03
 418240; NM_001981; Hs.79095; epidermal growth factor receptor pathway; ehfand, DUF164; TM=M; 2.13; 12.86
 435621; W23814; Hs.6361; mitogen-activated protein kinase kinase; none, none; 2.12; 11.08
 409340; BE174829; Hs.321130; hypothetical protein MGC2771; aa_permeases, pyridoxal_deC, bromodomain, PHD, MBD, AT_hook, DDT, PI3_P14_kinase, FAT, FATC, BclA, RUN; TM=M; 2.12; 14.05
 453054; R40334; Hs.89483; potassium large conductance calcium-acti; none, none; 2.12; 8.96
 409223; AA312572; Hs.362852; phosphoinositide-3-kinase, regulatory su; SH2, SH3, RhoGAP, none; 2.08; 11.60
 414482; S57488; Hs.76252; endothelin receptor type A; 7tm_1; TM=Y; SS=M; 2.06; 14.23
 414486; W73853; Hs.355424; ESTs; pkinase, F6_F8_type_C, adh_short, none; 2.05; 13.45
 450455; AL117424; Hs.25035; chloride intracellular channel 4; none, TNF; 2.05; 19.04
 449908; NM_005638; Hs.24167; synaptobrevin-like 1; synaptobrevin, NTF2; TM=Y; 2.04; 13.34
 422112; BE540240; Hs.111783; Lsm1 protein; Sm, BAG; SS=M; 2.03; 12.60
 434935; BE561824; Hs.273369; uncharacterized hematopoietic stem/proge; none; TM=M; 2.02; 10.52
 433427; AI818448; Hs.171889; cholinephosphotransferase 1; SH2, CDP-OH_P_trans; TM=M; 2.02; 16.87
 410850; AW362867; Hs.302738; Homo sapiens cDNA: FLJ21425 fis, clone C; Sulfate_transp, STAS, HMG_box; 2.02; 9.37
 440481; AA182907; Hs.7200; Homo sapiens, clone MGC16714, mRNA, cont; pkinase, RCC1; TM=M; 2.02; 12.31
 434645; AF255303; Hs.112227; membrane-associated nucleic acid binding; zf-COCH, gpdh, Adeno_E1B_55K, zf-C3HC4; TM=M; 2.00; 9.15
 410113; AW996584; Hs.250824; Homo sapiens cDNA: FLJ23435 fis, clone H; pkinase, none; 1.99; 10.64
 414636; AL120259; Hs.78691; stannin; none; TM=M; SS=Y; 1.96; 7.72
 408178; AK001553; Hs.43436; adenylate kinase 3 alpha like; adenylatekinase, none; 1.95; 14.95
 422690; AU077275; Hs.119222; suppression of tumorigenicity 13 (colon); TPR; TM=M; 1.94; 10.91
 427881; BE538296; Hs.323834; cytochrome c oxidase subunit Va; none, GKAP; 1.93; 20.57
 433387; L76528; Hs.3260; presenilin 1 (Alzheimer disease 3); Presenilin, 7tm_3, oxidored_q5_N; TM=Y; 1.92; 12.58
 453988; AF082569; Hs.36794; D-type cyclin-interacting protein 1; B56; TM=M; 1.90; 12.74
 433592; NM_004642; Hs.3436; deleted in oral cancer (mouse, homolog); none; TM=M; 1.89; 23.27
 447791; BE241859; Hs.18675; CGI-11 protein; V-ATPase_H, Armadillo_seg; TM=M; 1.88; 12.62
 426359; AA376409; Hs.10862; Homo sapiens cDNA: FLJ23313 fis, clone H; adenylatekinase, none; 1.88; 14.95

- 432650; D00860; Hs.56; phosphoribosyl pyrophosphate synthetase ; none;none; 1.88; 12.70
 424250; AF073310; Hs.143648; insulin receptor substrate 2; PH,IRS;TM=M; 1.86; 19.50
 424482; BE268621; Hs.149155; voltage-dependent anion channel 1; Euk_oorin;SS=M; 1.85; 11.29
 425335; BE394327; Hs.296267; follistatin-like 1; ehhand,kazal,arf,res,7tm_1;TM=M; 1.86; 13.62
 426122; NM_006925; Hs.166975; splicing factor, arginine/serine-rich 5; rrm;SS=M; 1.83; 10.88
 451579; AW607731; Hs.26670; Human PAC clone RP3-515N1 from 22q11.2-q; kingle;TM=Y;SS=M; 1.83; 20.35
 428901; AI929568; Hs.146668; KIAA1253 protein; 7tm_2,UPF0073,TMS_TDE;TM=Y;SS=M; 1.83; 19.00
 453963; AA040311; Hs.28958; ESTs; pkinase,Activin_recpt;none; 1.82; 15.25
 417414; AA434589; Hs.767676; dUTP pyrophosphatase; dUTPase,KRAB; 1.81; 14.20
 414521; D28124; Hs.76307; neuroblastoma, suppression of tumorigen; DAN;TM=M;SS=M; 1.81; 22.29
 425356; BE244679; Hs.155939; Inositol polyphosphate-5-phosphatase, 14; Exo_endo_phos,SH2;TM=M; 1.80; 18.30
 417733; AL048678; Hs.82503; H.sapiens mRNA for 3'UTR of unknown prot; none;NA;NA; 1.80; 6.28
 424805; AF230904; Hs.153260; c-Cbl-interacting protein; SH3;TM=M; 1.80; 11.99
 426747; BE294407; Hs.99910; phosphofructokinase, platelet; PFK;TM=M; 1.79; 25.25
 416819; U77735; Hs.80205; pim-2 oncogene; pkinase;SS=M; 1.78; 15.25
 437708; AB033020; Hs.5801; KIAA1194 protein; LRR,Exo_endo_phos;TM=M; 1.77; 11.11
 439877; H39685; Hs.258730; trypsin beta 1; pkinase;SS=M; 1.77; 21.91
 440258; U23841; Hs.18851; hypothetical protein FLJ10875; none,UBA,UBX; 1.76; 12.95
 425367; BE271188; Hs.155975; protein tyrosine phosphatase, receptor 1; none;TM=M;SS=Y; 1.76; 21.01
 414703; BE243877; Hs.374366; ATPase, Na⁺ transporting, beta 3 polypep; Na_K-ATPase;TM=Y;SS=M; 1.75; 20.03
 443693; A1344782; Hs.349261; Dual (Hsp40) homolog, subfamily C, member; rrm,DnaJ,TPR;TM=M; 1.75; 13.29
 437412; BE069288; Hs.34744; Homo sapiens mRNA; cDNA DKFZp547C136 (fr,ABC,Iran,GTP_EFTU,ABC_mambrane;none; 1.75; 8.75
 413795; AW408094; Hs.75545; Interleukin 4 receptor; fn3,granulin;TM=M;SS=M; 1.74; 14.73
 438438; AA257992; Hs.50651; Janus kinase 1 (a protein tyrosine kinase; pkinase,SH2,adenylatekinase;none; 1.73; 24.10
 426655; U48959; Hs.211582; myosin, light polypeptide kinase; pkinase,fn3,Ig;none; 1.73; 31.59
 421456; AW575942; Hs.104657; hypothetical protein FLJ10597; zf-C2H2,DUF18,ehhand,C2,PI-PLC-Y,PI-PLC-X;TM=M; 1.73; 16.87
 444252; R21135; Hs.54985; ESTs; none;none; 1.71; 10.40
 442819; BE622721; Hs.284275; Homo sapiens PAK2 mRNA, complete cds; none,pkinase,PBD; 1.69; 14.02
 447918; A129320; Hs.115175; ESTs, Highly similar to JC5818 gamma-act; pkinase,SAM;none; 1.69; 17.14
 429279; AB018271; Hs.198689; KIAA0728 protein; Myosin_tail,ehhand,spectin,GAS2,Myosin_tail; 1.68; 14.21
 450440; AB024334; Hs.25001; lysine 3-monooxygenase/tryptophan 5-mo; 14-3-3;TM=M; 1.67; 24.67
 413423; AU076684; Hs.75350; vinculin; Vinculin;none; 1.65; 29.28
 420972; AW914816; Hs.31431; hypothetical protein FLJ12171; Fructosamin_kin;SS=M; 1.65; 10.75
 416884; M60484; Hs.80350; protein phosphatase 2 (formerly 2A), cat; Metallophos;SS=M; 1.63; 24.55
 436719; Y11192; Hs.5299; aldehyde dehydrogenase 5 family, member ; lipocalin,aldehyd,ubiquitin,IRK;SS=M; 1.61; 11.20
 419223; X60111; Hs.1244; CD9 antigen (p24); transmembrane4;TM=Y;SS=M; 1.61; 14.93
 414176; BE140838; Hs.75794; EDG-2 (endothelial differentiation, lys; 7tm_1,CRCB;TM=Y; 1.61; 8.03
 431476; BE1612705; Hs.256697; histidine triad nucleotide-binding prote; HIT;SS=M; 1.60; 24.37
 412347; AW970028; Hs.73818; ubiquinol-cytochrome c reductase hinge p; UCR_hinge,G-alpha,arf;TM=M; 1.58; 18.09
 423804; AW403448; Hs.1708; interferon-stimulated transcription fact; IRF,zf-C3HC4,IBR,zf-RanBP;TM=M; 1.58; 10.99
 426552; BE297660; Hs.170328; moesin; Band_41,ERM,pkinase,LRR,LRRCT,MAM,Nucleoplasmin,Tropomyosin,OPR,filament,bZIP,G-gamma,M,DUF164;TM=M; 1.58; 25.97
 428216; M18468; Hs.183037; protein kinase, cAMP-dependent, regulator; cNMP_binding,Rlla;SS=M; 1.58; 10.58
 421251; Z28913; Hs.102949; enigma (LIM domain protein); LIM,PDZ;SS=M; 1.56; 13.51
 448581; NM_002709; Hs.21537; protein phosphatase 1, catalytic subunit; none;none; 1.55; 12.33
 417098; AB017365; Hs.173859; frizzled (Drosophila) homolog 7; Frizzled,Fz,7tm_2,toxin_2;TM=Y;SS=M; 1.55; 13.77
 437076; AA951260; Hs.5443; BCL2-associated athanogene 5; BAG,Hanta_nucleocap;TM=M; 1.54; 10.93
 426853; AA530892; Hs.171695; dual specificity phosphatase 1; Rhodanese,DSPE_Y_phosphatase;TM=M; 1.54; 11.88
 421143; AB024538; Hs.102171; immunoglobulin superfamily containing la; ig,LRR,LRRNT,LRRCT;TM=M;SS=M; 1.53; 23.05
 414457; AW514320; Hs.76159; ATPase, H transporting, lysosomal (vacuo; pkinase,ATP-synt_C;none; 1.53; 32.59
 414382; AW380339; Hs.8058; hematopoietic PBX-interacting protein; M;TM=M; 1.52; 8.65
 450998; BE387614; Hs.25797; splicing factor 3b, subunit 4, 49kD; rrm;TM=M; 1.52; 11.74
 402705; ; activator of S phase kinase; AhpC-TSA;TM=M;SS=M; 1.51; 26.85
 426268; AF090922; Hs.168913; serine/threonine kinase 24 (Ste20, yeast; pkinase;SS=M; 1.50; 24.04
 414604; AU076649; Hs.76556; growth arrest and DNA-damage-inducible 3; none;TM=M; 1.50; 14.35
 445584; AF217618; Hs.8360; PTD012 protein; none;SS=M; 1.49; 12.00
 407232; X04526; ; gbl;Human liver mRNA for beta-subunit sig; WD40;TM=M; 1.49; 19.32
 424208; NM_003734; Hs.198241; amine oxidase, copper containing 3 (vase; Cu_amine_oxid,Cu_amine_oxidN2,Cu_amine_oxidN3;TM=M;SS=M; 1.48; 13.21
 458761; AF090922; Hs.152738; mitochondrial ribosomal protein L11; ER_lumen_recept,Ribosomal_L11,Ribosomal_L11_N;TM=Y;SS=M; 1.48; 12.50
 426340; Z37989; Hs.169370; FYN oncogene related to SRC, FGR, YES; BNR,SH2,SH3,pkinase;TM=Y;SS=M; 1.48; 17.75
 414169; AW888841; Hs.76789; N-myc downstream regulated; DEAD,helicase_C,rrm,Ndr,Cys_knot,TIL,vwa,twc,vwd,IQ,Rlla,abhydrolase,TGF-beta,DUF133,TPR,DSPE,isp_1,Ribosomal_S21,rvp;TM=M; 1.46; 20.47
 452516; AA058630; Hs.29759; RNA POLYMERASE I AND TRANSCRIPT RELEASE ; none;SS=M; 1.46; 12.72
 414240; AL046742; Hs.75842; dual-specificity tyrosine-(Y)-phosphoryl; pkinase;SS=M; 1.45; 14.38
 420532; AA248016; Hs.194110; hypothetical protein PRO2730; pkinase,WD40;SS=M; 1.43; 13.92
 402575; ; Rho GTPase activating protein 1; PAP2;TM=Y;SS=M; 1.43; 13.71
 414765; X07854; Hs.77269; guanine nucleotide binding protein (G p; G-alpha,arf;TM=M; 1.41; 24.62
 448423; BE390905; Hs.21198; translocase of outer mitochondrial membr; TPR;TM=M;SS=M; 1.41; 10.70
 422587; A1879352; Hs.118625; hexokinase 1; hexokinase,hexokinase2;TM=M; 1.41; 19.31
 415995; NM_004573; Hs.355888; phospholipase C, beta 2; C2,PI-PLC-Y,PI-PLC-X;TM=M; 1.40; 11.21
 446108; AL036595; Hs.42322; A kinase (PRKA) anchor protein 2; Paralaminin;TM=M; 1.40; 13.98
 427721; A1582843; Hs.180455; RAD23 (S. cerevisiae) homolog A; ubiquitin,UBA,integrin,b;SS=M; 1.39; 15.01
 417891; W79410; Hs.82887; protein phosphatase 1, regulatory (inhib; none;TM=M; 1.39; 15.97
 427373; AB007972; Hs.130760; myosin phosphatase, target subunit 2; ank;TM=M; 1.39; 14.49
 446334; U52427; Hs.14839; polymerase (RNA) II (DNA directed) polyp; COX8,SHMT,MIF,GST_C,EF1G_dormain,GST_N,S1,Fz,Frizzled,calreticulin,7tm_2,rrm,PAP_assoc;TM=Y;SS=M; 1.38; 12.58
 447042; AB035863; Hs.182217; succinate-CoA ligase, ADP-forming, beta ; ligase-CoA,ATP-grasp,Zip,CPSase_L_D2,GARS_B;TM=Y;SS=M; 1.37; 11.37
 427705; A1870421; Hs.180394; signal recognition particle 14kD (homolo; SRP14,TNFR_cf;SS=M; 1.37; 22.05
 425969; AW576285; Hs.301763; KIAA0554 protein; SH3,FCH,HR1;TM=M; 1.37; 13.68
 433572; AL046859; Hs.3407; protein kinase (cAMP-dependent, catalytic; PK);SS=M; 1.35; 12.43
 410597; W16618; Hs.279518; amyloid beta (A4) precursor-like protein; Kunitz_BPTI,AA_EXTRA,Coprogen_oxidas;TM=Y;SS=M; 1.35; 22.54
 418424; Y13622; Hs.85087; latent transforming growth factor beta b; EGF,TB,splinteroxin,granulin,ANF_receptor;SS=M; 1.34; 12.09
 442603; AL035719; Hs.303091; pleckstrin homology, Sec7 and coiled/coi; PH,Sec7;TM=M; 1.34; 11.40
 418043; AW377752; Hs.83341; AXL receptor tyrosine kinase; fn3,Ig,pkinase;TM=Y;SS=M; 1.31; 10.79

	439278; AF077046; Hs.6518; ganglioside expression factor 2; MAP1_LC3;aminotran_3;TM=M; 1.31; 15.89
	425675; AU077333; Hs.160483; erythrocyte membrane protein band 7.2 (s; PBP,Band_7;TM=M; 1.31; 17.93
	407744; AB020629; Hs.38095; ATP-binding cassette, sub-family A (ABC1; ABC_tran;PRK;TM=Y;SS=M; 1.29; 10.95
5	420679; X57152; Hs.99553; fibrillarin; CK_JI_beta.Fibrillarin;WD40;TM=M; 1.29; 18.69
	427397; AI929685; Hs.177656; calmodulin 1 (phosphorylase kinase, delta; ehand,RnaAD;SS=M; 1.29; 15.68
	424661; M29551; Hs.151531; protein phosphatase 3 (formerly 2B), cat; Metallophos;TM=M; 1.28; 13.39
	428950; BE311878; Hs.194673; phosphoprotein enriched in astrocytes 15; DED;TM=M; 1.27; 11.15
	440820; AL031849; Hs.356416; plakophilin 4; none;none; 1.26; 10.65
10	448153; Y10805; Hs.20521; HMT1 (hnRNP methyltransferase, S. cerevi; NusG;SS=M; 1.25; 12.07
	447386; NM_006289; Hs.375001; KIAA1027 protein; Band_41_LWEQ;Apollipoprotein;IRS;SS=M; 1.22; 10.85
	433053; BE301809; Hs.279952; glutathione S-transferase subunit 13 hom; HCCA_isomerase;TM=M; 1.20; 15.78
	440708; AF038962; Hs.7381; voltage-dependent anion channel 3; Euk_porin;Enterotoxin_A.PHO4;none; 1.20; 14.06
	417069; AA442192; Hs.374980; cytochrome c oxidase subunit VIII; COX8,SHMT,MIF,GST_C,EF1G_domain,GST_N,S1,Fz,Fizzled,calreticulin,7tm_2,mm,PAP_assoc;TM=Y;SS=M; 1.18; 16.91
15	402559; ; Rho GTPase activating protein 1; PAP2;TM=Y;SS=M; 1.16; 15.49
	426636; BE242634; Hs.2055; ubiquitin-activating enzyme E1 (A1SST an; Thif,UBACT;TM=M; 1.14; 10.99
	426773; BE256238; Hs.193163; bridging integrator 1; BAR,SH3;SS=M; 1.14; 11.38
	408906; Z25424; ; gb.Hsaplens protein-serine/threonine kit; none;none; 1.13; 12.97
20	443932; AW888222; Hs.9973; tensin; SH2,WW,PID;none; 1.07; 15.41
	421996; AW583807; Hs.1460; glucagon; hormone2;SS=M; 59.35; 1.61
	414998; NM_002543; Hs.77729; oxidised low density lipoprotein (lectin; lectin_c;TM=Y;SS=M; 22.96; 4.57
	442573; H9366; Hs.7567; branched chain aminotransferase 1, cytos; aminotran_4;none; 21.41; 1.15
	451035; AU076785; Hs.430; plastin 1 (I isoform); ehand,CH,Adaptin_N;SS=M; 19.25; 3.53
25	408243; Y00787; Hs.624; interleukin 8; HLH,PAS,IL8;TM=M; 15.53; 4.34
	421340; F07783; Hs.1368; decay accelerating factor for complement; sushi;SS=M; 14.84; 19.59
	422260; AA315993; Hs.105484; regenerating gene type IV; lectin_c;SS=M; 14.71; 2.89
	430280; AA361258; Hs.237868; interleukin 7 receptor; tn3;none; 14.28; 11.47
	412116; AW402166; Hs.784; Epstein-Barr virus induced gene 2 (lymph; 7tm_1;TM=Y;SS=M; 12.71; 12.56
	451820; AW058357; Hs.199248; ESTs; 7tm_1;TM=Y;SS=M; 10.18; 2.67
30	418693; A1750978; Hs.87409; thrombospondin 1; EGF,isp_1,ww,TSPN,isp_3;SS=M; 9.72; 6.94
	448105; AW591433; Hs.298241; Transmembrane protease, serine 3; ldl_recept_L,trypsin;TM=Y;SS=M; 9.67; 4.06
	456283; L29073; Hs.198726; cold shock domain protein A; 7tm_2,HRM,CSD;TM=Y;SS=M; 9.62; 2.36
	413095; AA494359; Hs.30715; potassium voltage-gated channel, Isk-rel; none,START; 9.15; 2.18
35	417933; X02308; Hs.82962; thymidylate synthetase; thymidylat_synt,MR_MLE,MR_MLE_N;SS=M; 8.97; 5.01
	433334; A1927208; Hs.231958; matrix metalloproteinase 25; Peptidase_M10;none; 8.71; 4.28
	418030; BE207573; Hs.83321; neuromedin B; Bombesin;TM=M;SS=Y; 8.33; 1.55
	433437; U20536; Hs.3280; caspase 6, apoptosis-related cysteine pr; ICE_p10,ICE_p20;SS=M; 8.31; 4.23
	449523; NM_000579; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1;TM=Y;SS=M; 8.26; 5.49
40	428513; BE220806; Hs.184697; Homo sapiens clone 23785 mRNA sequence; PSI;none; 8.13; 13.28
	449444; AW818438; Hs.351308; solute carrier family 16 (monocarboxylic; none;TM=Y;SS=M; 7.83; 7.00
	453459; BE047032; Hs.257789; ESTs; none;none; 7.40; 0.60
	436729; BE621807; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 7.29; 5.78
	426761; A015709; Hs.172089; PORILMIN Pro-oncosis receptor inducing me; none;TM=Y;SS=M; 7.25; 7.22
45	426158; NM_001982; Hs.199067; v-erb-b2 avian erythroblastic leukemia v; Furin-like,ptkinase,Recep_L_domain,Furin-like,ptkinase,Recep_L_domain,Peptidase_M24; 7.13; 3.97
	419968; X04430; Hs.93913; interleukin 6 (interleukin, beta 2); IL6;SS=Y; 6.93; 3.43
	457133; M54968; Hs.351221; v-H-ras2 Kirsten rat sarcoma 2 viral on; ras,ldh;SS=M; 6.90; 2.85
	420344; BE463721; Hs.97101; putative G protein-coupled receptor; Methyltransf_5;TM=Y;SS=M; 6.88; 3.10
	417874; BE16160; Hs.82823; protein tyrosine phosphatase, non-recept; Y_phosphatase;TM=Y; 6.42; 2.26
50	427969; NM_001963; Hs.2230; epidermal growth factor (beta-urogastrin; EGF,ld_recept_L,EB;TM=M;SS=M; 6.37; 1.07
	430386; D49742; Hs.241363; hyaluronan-binding protein 2; ank,death,ZUS,EGF,kiringle,trypsin,Nebulin,LIM;SS=M; 5.77; 1.24
	427657; NM_002659; Hs.179657; plasminogen activator, urokinase receptor; UPAR_LY6,ET,PLA2_jnh;SS=M; 5.71; 3.83
	418283; S79895; Hs.83942; cathepsin K (pycnodysostosis); Peptidase_C1;SS=M; 5.59; 38.68
	468471; AV648509; Hs.194240; ESTs; none;none; 5.23; 1.05
55	433470; AW960564; Hs.351316; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 4.88; 4.60
	433293; AF007839; Hs.32417; hypothetical protein MGC4309; none;TM=M; 4.56; 4.93
	410867; A63556; Hs.750; fibrillin 1 (Marfan syndrome); EGF,TB,wnt,EB,TIL;SS=M; 4.32; 26.87
	417512; X76534; Hs.82228; glycoprotein (transmembrane) nmby; PKD;TM=Y;SS=M; 4.26; 9.04
	414825; X06370; Hs.77432; epidermal growth factor receptor (avian ; Furin-like,ptkinase,Recep_L_domain;TM=M;SS=M; 3.94; 1.16
60	439180; A1393742; Hs.199067; v-erb-b2 avian erythroblastic leukemia v; Furin-like,ptkinase,Recep_L_domain,Furin-like,ptkinase,Recep_L_domain,Peptidase_M24; 3.78; 2.21
	419508; AW997938; Hs.90788; ATP-binding cassette, sub-family C (CFTR; ABC_tran,ABC_membrane;TM=Y;SS=M; 3.47; 2.24
	419749; X73808; Hs.93028; sparck/boneonectin, cwcv and kazal-like d; kazal,thyroglobulin_1;SS=M; 3.37; 7.10
	436676; A458213; Hs.77542; ESTs; 7tm_1,DnaJ; 3.16; 3.27
	428093; AW594506; Hs.104830; ESTs; none;none; 2.81; 3.40
65	459683; A1674906; Hs.199460; gbwc7302.x1 NCI_CGAP_Pan1 Homo sapiens; none;TM=Y; 2.77; 1.36
	414443; AU077268; Hs.76144; platelet-derived growth factor receptor; lg,ptkinase;TM=Y; 2.71; 10.53
	430451; AA838472; Hs.297939; cathepsin B; Peptidase_C1,pro_isomerase;SS=M; 2.28; 14.59
	428953; AA306610; Hs.348183; tumor necrosis factor receptor superfam; 60s_ribosomal,Ribosomal_L10,TNFR_c6,DEAD; 2.21; 6.33
	435496; AW840171; Hs.255398; PAR-6 beta; none;none; 2.17; 2.00
	418641; BE243136; Hs.86947; a disintegrin and metalloproteinase dom; disintegrin,Repolyse,Pep_M12B_propep,EGF;TM=Y;SS=M; 1.91; 13.06
70	414521; D28124; Hs.76307; neuroblastoma, suppression of tumorigen; DAN;TM=M;SS=M; 1.81; 22.29
	418452; U33685; Hs.90572; PTK7 protein tyrosine kinase 7; lg,ptkinase;TM=Y;SS=M; 1.52; 8.40
	452795; AW392555; Hs.18878; hypothetical protein FLJ21620; ZOG-Fell_Oxy;TM=M; 1.49; 3.29
	432199; A1693815; Hs.127178; cryptic gene; none;TM=M;SS=M; 1.23; 1.60
	453986; BE148734; Hs.63325; transmembrane protease, serine 4; trypsin,ld_recept_a;none; 1.00; 3.92
75	445418; AW139377; Hs.127179; cryptic gene; none;none; 1.00; 2.45
	451106; BE362701; Hs.25980; N-MYC oncogene; HLH,Myc_N_tam;TM=M; 1.00; 1.87
	447993; AW139525; Hs.170362; ESTs; none;none; 1.00; 1.30

TABLE 428

Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Pkey	CAT	Number	Accession
5	406685	Q_0	M18728
	414087	1632859_1	W19712 BE247277
	400151	8575_21	BC006850 U07418 NM_000249 U07343 AL574783 BI090482 BG684481 AA365302 BG196167 BI091720 BG195132 AI680106 AI457552 AA402478 BG249688 AA347118 BG755996 BG622578
	418546	242836_1	T59708 AA224827 T59843 BE156903

TABLE 42C

Pkey:	Unique number corresponding to an Eos probe set
Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham 1. et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham 1. et al., Nature (1999) 402:489-495.
Strand:	Indicates DNA strand from which exons were predicted.
Nt_position:	Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	Nt_position
406399	9256288	Minus	63448-63554
405102	8076881	Minus	120922-121296
403344	8569726	Plus	70823-70990
405565	1552511	Plus	153405-153564,154623-154876,155272-15540
405566	1552511	Plus	163497-163623,164715-164968,165369-16550
405204	7230116	Plus	126589-128754
406366	9256126	Minus	10639-10800,10890-11023,11113-11293
400539	7574902	Plus	8559-8721
403208	7630829	Minus	147706-147903,148667-148804
405203	7230116	Plus	125295-125463
402705	8782736	Plus	89961-90114,90773-90896,91131-91261
402576	9884830	Minus	109742-109863
402569	9864273	Plus	33539-33715

TABLE 43A: 43 genes upregulated in pancreatic cancer relative to normal body tissues

Table 43A lists about 43 genes upregulated in pancreatic cancer relative to normal body tissues that are likely to encode proteins particularly useful for diagnostic or prognostic applications. These genes were selected from 59680 probesets on the Eos/Affymetrix HuO3 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of have oncogenic function or of transducing intracellular signals, or of being modulatable by small molecules, peptides, or antibodies (e.g. kinase, death-domain, 7tm, phosphatase, or ion transporter). Certain predicted protein domains are noted.

Pkey:	Unique Eos probeset identifier number
ExAccn:	Exemplar accession number, GenBank accession number
UniGeneID:	UniGene number
Pred.Prod.Domains:	Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:276-280).
50	UniGene Title:
	R1
	R2

Pkey; ExAccn; UniGeneID; UniGene Title; Pred.Prod.Domains; R1; R2

446619;	AU076643; Hs.313; secreted phosphoprotein 1 (osteopontin); Osteopontin;SS=M; 44.95; 2.17
421552;	AF026692; Hs.105700; secreted frizzled-related protein 4; Fz.NTR;SS=M; 35.40; 29.13
411274;	NM_002776; Hs.69423; kallikrein 10; trypsin;TM=M; 30.10; 13.69
446921;	AB012113; Hs.16530; small inducible cytokine subfamily A (Cy; IL8;SS=Y; 29.33; 16.06
413719;	BE439580; Hs.75496; small inducible cytokine subfamily A (Cy; IL8;SS=M; 24.64; 7.21
462281;	T93500; Hs.28792; Homo sapiens cDNA FLJ11041 fis, clone PL; TGF-beta,propeptide,TGF-beta,none; 23.81; 10.74
407811;	AW190902; Hs.40088; cysteine knot superfamily 1, BMP antagon; TGF-beta,DAN;SS=Y; 22.33; 10.20
404682;	:: C8001188;gij12738842[ra]NP_073725.1) p; none;TM=M; 17.72; 1.40
413554;	AA319146; Hs.75426; secretogranin II (chromogranin C); Granin;TM=M;SS=Y; 17.36; 2.01
428392;	H10233; Hs.2265; secretory granule, neuroendocrine protet; none;TM=M;SS=M; 16.82; 1.70
408243;	Y00787; Hs.624; interleukin 8; IL8;TM=M;SS=M; 15.53; 4.34
419216;	AU076718; Hs.164021; small inducible cytokine subfamily B (Cy; IL8;SS=M; 16.40; 3.70
428242;	H55709; Hs.2250; leukemia inhibitory factor (cholinergic); LIF_QSM;SS=M; 14.86; 6.58
421340;	F07783; Hs.1369; decay accelerating factor for complement; sushi;SS=M; 14.84; 19.59
409757;	NM_001898; Hs.123114; cystatin SN; cystatin;SS=M; 14.61; 12.75
425071;	NM_013989; Hs.154424; deiodinase, iodothyronine, type II; T4_deiodinase;TM=M;SS=Y; 14.35; 17.22
414812;	X72755; Hs.77367; monokine induced by gamma interferon; IL8;TM=M;SS=Y; 13.81; 7.69
409420;	Z15008; Hs.54451; laminin, gamma 2 (nidcan (100kD), kalin; laminin_B,laminin_EGF;SS=M; 13.05; 7.72
432596;	AJ224741; Hs.278461; mabillin 3; EGF_vwa;SS=M; 12.80; 9.91
422109;	S73285; Hs.1473; gastrin-releasing peptide; Bombesin,Defensin_propep;TM=M;SS=M; 12.79; 4.69
421379;	Y15221; Hs.103982; small inducible cytokine subfamily B (Cy; IL8;TM=M;SS=Y; 11.38; 2.22
429547;	AW009166; Hs.99376; FCENESH predicted novel secreted protein; none,none; 10.25; 5.62
422424;	AI186431; Hs.296538; prostate differentiation factor; TGF-beta;SS=M; 9.96; 1.88
428505;	AL035461; Hs.2281; chromogranin B (secretogranin 1); Granin;SS=M; 9.40; 3.46
409956;	AW103364; Hs.727; inhibin, beta A (activin A, activin AB a; TGF-beta,TGF-beta_propeptide,Tub;SS=M; 9.19; 16.46
418030;	BE207573; Hs.83321; neuromedin B; Bombesin;TM=M;SS=Y; 8.36; 1.55
452401;	NM_007115; Hs.28352; tumor necrosis factor, alpha-induced pro; Xlink,CUB;SS=M; 7.46; 4.96

421582; AI910275; Hs.350470; trefoil factor 1 (breast cancer, estroge; trefoil; Gastrin; SS=M; 7.08; 21.61
 423534; AW959908; Hs.1690; heparin-binding growth factor binding pr; none; TM=M; SS=M; 6.78; 12.19
 428486; AW583497; Hs.184604; pancreatic polypeptide; hormone3; TM=M; SS=Y; 6.28; 3.51
 443646; AI085198; Hs.164226; ESTs; EGF; tss_1, vvc; TSPN; tss_3; none; 6.17; 4.25
 457489; AI693815; Hs.127179; cryptic gene; none; TM=M; SS=M; 5.19; 2.79
 460983; AA305384; Hs.25740; ERO1 (S. cerevisiae)-like; none; SS=M; 5.01; 7.43
 422867; L32137; Hs.1584; cartilage oligomeric matrix protein (psa; tss_3; EGF; SS=M; 4.87; 9.40
 426322; J05068; Hs.2012; transcobalamin I (vitamin B12 binding pr; Cobalamin_bind; SS=M; 4.71; 11.74
 414774; X02419; Hs.77274; plasminogen activator; urokinase; kringle; trypsin; plant_thionins; SS=M; 4.24; 6.91
 428758; AA433988; Hs.98502; CA125 antigen; nuclein 16; SEA; TM=Y; 3.52; 8.43
 422048; NM_012445; Hs.288126; spondin 2, extracellular matrix protein; tss_1; TM=M; SS=M; 3.45; 7.69
 424687; J05070; Hs.151738; matrix metalloproteinase 9 (gelatinase B; In2; hemopexin; Peptidase_M10; SS=M; 3.43; 10.37
 417931; W95542; Hs.82961; trefoil factor 3 (intestinal); trefoil; SS=M; 2.98; 8.65
 445417; AK001058; Hs.12680; Homo sapiens cDNA FLJ10196 fls, clone HE; tss_1; Repolysin; Pap_M12B_propep; none; 2.97; 5.74
 432674; W94322; Hs.279551; melanoma inhibitory activity; SH3; TM=M; SS=Y; 2.80; 10.53
 431462; AW583672; Hs.256311; granin-like neuroendocrine peptide precu; none; none; 2.70; 1.99

TABLE 43C

Pkey: Unique number corresponding to an Eos probeset
 Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham I. et al., Nature (1999) 402:469-495.
 Strand: Indicates DNA strand from which exons were predicted.
 Nt_position: Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	Nt_position
404682	9797231	Minus	40977-41160

TABLE 44A: 754 GENES UP-REGULATED IN RHEUMATOID ARTHRITIS COMPARED TO NORMAL BODY

Table 44A lists about 754 genes up-regulated in rheumatoid arthritis. These were selected from 35403 probesets on the Affymetrix/Eos Hu01 GeneChip.

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigenID: Unigenes number
 Unigen Title: Unigenes gene title

Pkey	ExAccn	UnigenID	Unigen Title
100042	M10098		AFFX control - HUMRGE/M10098_3
101577	M34353	Hs.1041	v-ros avian UR2 sarcoma virus oncogene h
103353	X69398	Hs.119274	RAS p21 protein activator (GTPase activa
104743	AA021157	Hs.33619	Homo sapiens cDNA FLJ20098 fls, clone CO
104996	AA112307	Hs.105894	hypothetical protein FLJ21919
105437	AA252191	Hs.25199	hypothetical protein
108258	AA063269		gb:z02a09.s1 Stratagene corneal stroma
109086	AA166695	Hs.270737	tumor necrosis factor (ligand) superfam
109279	AA196625	Hs.86080	ESTs
109779	F10527	Hs.3353	beta-1,3-glucuronyltransferase 1 (glucur
111794	R32647	Hs.23545	ESTs
112531	R69798	Hs.29036	ESTs
112784	R95306	Hs.191290	ESTs
113293	T87028	Hs.187403	ESTs
115416	AA283693	Hs.337079	ESTs
116548	D20433		gb:HUMGS01407 Human promyelocyte Homo sa
116565	D45533	Hs.129691	hypothetical protein FLJ21603
118104	N55332	Hs.39785	ESTs
119243	T12803		gb:CHR90123 Chromosome 9 exon II Homo sa
119336	T55340	Hs.208238	ESTs
120101	W95414	Hs.55487	EST
120715	AA292700		gb:zs59a06.s1 NC1 CGAP_GCB1 Homo sapiens
120872	AA357993	Hs.96996	ESTs
121010	AA398355	Hs.97330	ESTs
121509	AA412092	Hs.97888	ESTs
121722	AA419482	Hs.98874	similar to proline-rich protein 48
122265	AA436838	Hs.98906	EST
123206	AA489681	Hs.102248	Homo sapiens cDNA: FLJ22105 fls, clone H
123490	AA599723		gb:ag11c07.s1 Gessler Wilms tumor Homo s
124198	H53099	Hs.198271	NADH dehydrogenase (ubiquinone) 1 alpha
124294	H90573	Hs.102298	EST
125067	T86429	Hs.111725	ESTs
125153	W38294		
125330	AA401804	Hs.114574	ESTs
125335	T86620	Hs.16230	hypothetical protein FLJ20519
125361	T90348	Hs.183404	ESTs
125439	AA826305		gb:PMO-LT0017-031299-001-c07 LT0017 Homo
125535	R17430	Hs.22215	secretogranin III
125583	R22272	Hs.86022	ESTs
125590	R23858	Hs.143375	Homo sapiens, clone IMAGE:3840937, mRNA,
125742	H81181	Hs.261023	hypothetical protein FLJ20968

	125795	T98190	Hs.7756	proteasome (prosome, macropain) 26S subu
	125858	H11549	Hs.31066	ESTs
	125865	H12876	Hs.283078	hOAT4
5	126039	AA160575	Hs.181102	p30 DBC protein
	126143	N29315	Hs.286331	hypothetical protein MGC4595
	126177	H93164	Hs.129750	hypothetical protein FLJ10546
	126219	N36368	Hs.293483	ESTs, Weakly similar to similar to C. el
	126221	AI248169	Hs.172965	ESTs
10	126262	C75147	Hs.143764	ESTs, Weakly similar to unknown [H.sapi
	126277	N39132	Hs.15441	Crn (Cramped Drosophila)-like
	126292	AA491328		gb:aa65d09.r1 NCL_CGAP_GC81 Homo sapiens
	126293	Z18870	Hs.248121	G protein-coupled receptor 22
	126353	AI243114	Hs.94031	ESTs
15	126556	AA491325	Hs.112227	membrane-associated nucleic acid binding
	126559	R15866	Hs.170263	tumor protein p53-binding protein, 1
	126609	W87435	Hs.186802	ESTs
	126616	AA348681	Hs.134605	ESTs
	126628	AI357886	Hs.170994	hypothetical protein MGC10946
20	126635	AA001527		gb:zf56g09.r1 Soares retina N2b4HR Homo
	126861	AA742428	Hs.144432	ESTs
	126990	AA215510	Hs.191650	ESTs
	127017	AA740146	Hs.251946	poly(A)-binding protein, cytoplasmic 14
	127049	AA235986	Hs.291811	ESTs
25	127209	AA305023	Hs.81964	SEC24 (S. cerevisiae) related gene famil
	127331	F20186		gb:HSFD05873 HM3 Homo sapiens cDNA clone
	127357	AA452788		gb:zv80d10.r1 Soares_total_fetus_Nb2HF8_
	127368	AA434362	Hs.193326	fibroblast growth factor receptor-like 1
30	127374	AA448728	Hs.312110	ESTs, Weakly similar to I38022 hypothet
	127429	AA951490	Hs.293751	ESTs, Moderately similar to TPTE_HUMAN P
	127490	W52891	Hs.7278	cryptochrome 2 (photolyase-like)
	127502	AA614422	Hs.163502	ESTs
	127647	AI087279	Hs.148410	ESTs
	127650	AA873776	Hs.261957	ESTs
35	127676	D31237	Hs.278938	HSPC067 protein
	127746	AI239495	Hs.120189	ESTs
	127812	AA749094	Hs.291434	ESTs
	127824	AI208365	Hs.127811	ESTs
	127933	AA811102	Hs.303581	ESTs, Moderately similar to ALU1_HUMAN A
40	128005	AA058693	Hs.129908	KIAA0591 protein
	128011	AI347057	Hs.124636	ESTs
	128038	AA868782	Hs.137024	ESTs
	128058	AI126617	Hs.132449	ESTs
	128199	AI073548	Hs.164597	ESTs
45	128308	AI079496	Hs.134169	ESTs
	128389	AI142639	Hs.146662	ESTs
	128410	AA452788		gb:zv80d10.r1 Soares_total_fetus_Nb2HF8_
	129199	H90914	Hs.200332	hypothetical protein FLJ20851
	130898	C00810	Hs.293681	guanine nucleotide binding protein (G pr
50	134409	AA281800	Hs.154915	small nuclear RNA activating complex, p
	134578	AA194724	Hs.224137	hypothetical protein
	134644	S83308	Hs.87224	SRY (sex determining region Y)-box 5
	100282	D38800	Hs.278468	postmeiotic segregation increased 2-like
	100676	HG3044-HT3742	Hs.287820	fibronectin 1
55	100704	HG3242-HT3419	Hs.186110	calcium channel, voltage-dependent, alph
	100787	HG3872-HT4142	Hs.302063	immunoglobulin heavy constant mu
	100873	HG4333-HT4603	Hs.17364	zinc finger protein 79 (pT7)
	100943	HG880-HT880		gb:PMO-SN0019-280300-001-D11 SN0019 Homo
	100896	J03908	Hs.14623	interferon, gamma-inducible protein 30
60	101046	K01150		
	101371	M13232	Hs.35989	coagulation factor VII (serum prothrombi
	101451	M22430	Hs.76422	phospholipase A2, group IIA (platelets,
	101697	M64358		gb:Human rhom-3 gene, exon.
	101909	S69265		
65	102199	U21128	Hs.79914	lumican
	102275	U30998	Hs.17752	phosphatidylserine-specific phospholipas
	102295	U32581	Hs.168052	KIAA0421 protein
	102319	U34587	Hs.66578	corticotropin releasing hormone receptor
	102383	U40622	Hs.150930	X-ray repair complementing defective rep
70	102470	U49835	Hs.154138	chitinase 3-like 2
	102544	U57721	Hs.169139	kynureninase (L-kynurenine hydrolase)
	102649	U68133		gb:U68133 Human cell line PC1-O6A Homo s
	102798	U68098		gb:Human endogenous retrovirus H proteas
	102804	U69942	Hs.83354	lysyl oxidase-like 2
75	102851	V00532	Hs.93907	interferon, alpha 14
	102852	V00571	Hs.75294	corticotropin releasing hormone
	102860	X00368		gb:Human prolactin gene 5' region.
	103252	X78565	Hs.289114	hexabrachion (tenascin C, cytolactin)
	103484	Y08374	Hs.75184	chitinase 3-like 1 (cartilage glycoprote
80	103559	Z19585	Hs.75774	thrombospondin 4
	103659	Z74615	Hs.172928	collagen, type I, alpha 1
	103719	AA054109	Hs.4273	hypothetical protein FLJ13159
	103876	AA226865	Hs.8203	endomembrane protein emp70 precursor iso
	103897	AA246870	Hs.55058	EH-domain containing 4

5	103906	AA249437	Hs.317403	hypothetical protein MGC2744
	103985	AA313880	Hs.99872	fetal Alzheimer antigen
	104056	AA397529	Hs.58297	CLLL8 protein
	104209	AB000221	Hs.16530	small inducible cytokine subfamily A (Cy
	104386	H41895	Hs.144164	ESTs, Moderately similar to ALU8_HUMAN A
10	104398	H53555	Hs.36790	ESTs, Weakly similar to putative p150 [H
	104422	H86858	Hs.132909	ESTs
	104561	R60100	Hs.323817	DKFZP547E1030 protein
	104593	R81267	Hs.98640	hypothetical protein FLJ21069
	104643	AA004701	Hs.18978	Homo sapiens cDNA: FLJ22822 fs, clone K
15	104673	AA007633	Hs.20010	ESTs
	104681	AA009832	Hs.34600	ESTs
	104711	AA017254	Hs.32794	ESTs
	104812	AA034111	Hs.124187	ESTs
	104877	AA047437	Hs.22938	Homo sapiens clone IMAGE:451939, mRNA se
20	104886	AA053348	Hs.339699	growth differentiation factor 11
	104924	AA058532	Hs.28774	ESTs, Weakly similar to I38022 hypotheti
	105071	AA136532	Hs.29475	ESTs
	105105	AA151872	Hs.87016	hypothetical protein FLJ22938
	105203	AA195660	Hs.7882	ESTs
25	105317	AA233926	Hs.52520	integrin, beta 8
	105617	AA280687	Hs.4089	glucocorticoid modulatory element bindin
	105707	AA291012	Hs.37617	ESTs, Weakly similar to A53933 myosin I
	105754	AA302657	Hs.192028	ESTs
	105770	AA347964	Hs.269873	Homo sapiens clone IMAGE:297403, mRNA se
30	105882	AA400292	Hs.81988	disabled (Drosophila) homolog 2 (mitogen
	105893	AA400490	Hs.334907	Homo sapiens, clone MGC:17333, mRNA, com
	105890	AA400766	Hs.30512	Homo sapiens mRNA for KIAA0556 protein,
	106080	AA418046	Hs.35124	ESTs
	106090	AA418909	Hs.169333	hypothetical protein DKFZp761E2110
35	106096	AA419609	Hs.170121	protein tyrosine phosphatase, receptor t
	106124	AA423987	Hs.7567	Homo sapiens cDNA: FLJ21862 fs, clone H
	106308	AA436186	Hs.30662	ESTs
	106438	AA449199	Hs.21342	ESTs
	106650	AA460936	Hs.27056	KIAA1284 protein
40	106731	AA465657	Hs.29205	alpha integrin binding protein 63
	106880	AA488889	Hs.32425	ESTs
	107055	AA600152	Hs.29419	ESTs
	107151	AA821169	Hs.8657	ESTs
	107183	C20974	Hs.12114	vanin 1
45	107231	D59299	Hs.34727	ESTs, Moderately similar to I38759 zinc
	107490	W74158	Hs.103189	lipopolysaccharide specific response-58
	107572	AA001903	Hs.59962	ESTs
	107620	AA005039	Hs.60171	ESTs
	107601	AA019433	Hs.285803	Homo sapiens cDNA FLJ10674 fs, clone NT
50	107817	AA020781	Hs.60847	ESTs
	107823	AA021057	Hs.60836	ESTs
	107857	AA024887	Hs.61208	ESTs
	107882	AA025630	Hs.231967	ALL1 fused gene from 5q31
	108005	AA037769	Hs.194283	ESTs, Weakly similar to I54374 gene NF2
55	108092	AA045961	Hs.184029	hypothetical protein DKFZp761A052
	108115	AA047291	Hs.165216	ESTs
	108214	AA058661	Hs.60764	ESTs
	108382	AA074885	Hs.67726	macrophage receptor with collagenous str
	108409	AA075578		gb:zm88h03.s1 Stratagene ovarian cancer
60	108436	AA078801		gb:zm94a09.s1 Stratagene colon HT29 (937
	108625	AA101983	Hs.283022	triggering receptor expressed on myeloid
	108631	AA102553	Hs.334337	ESTs
	108763	AA127539	Hs.281397	hypothetical protein AD034
	108852	AA133131		gb:zm25d03.s1 Stratagene pancreas (93720
65	108931	AA147186		gb:zo38d01.s1 Stratagene endothelial cel
	108976	AA151480	Hs.91202	ESTs
	109026	AA157811		gb:zo35d07.s1 Stratagene colon (937204)
	109170	AA160352	Hs.191472	ESTs, Weakly similar to ALU1_HUMAN ALU
	109303	AA206126	Hs.269291	ESTs
70	109326	AA210719		gb:zr68e04.s1 NCLCGAP_GCB1 Homo sapiens
	109345	AA213774	Hs.203396	ESTs
	109404	AA224594	Hs.86941	ESTs
	109473	AA233151	Hs.81796	ESTs
	109725	F10003	Hs.79658	casein kinase 1, epsilon
75	109794	F10684	Hs.23687	ESTs
	109835	H00615	Hs.170044	ESTs
	109896	H04794	Hs.30489	ESTs
	109918	H05841	Hs.216701	Homo sapiens mRNA; cDNA DKFZp564I0816 (f
	109950	H08200	Hs.268770	ESTs, Weakly similar to 2004399A chromos
80	110078	H15054	Hs.318773	KIAA1836 protein
	110182	H20402	Hs.31746	hypothetical protein DKFZp547F072
	110213	H23216	Hs.86905	ATPase, H+ transporting, lysosomal (vacu
	110310	H38209	Hs.32728	EST
	110354	H41280	Hs.22586	ESTs
	110413	H48124	Hs.279454	ESTs
	110422	H48467	Hs.36094	EST
	110433	H49425	Hs.301082	UDP-N-acetyl-alpha-D-galactosamine:polyp

	110434	H49446	Hs.26299	ESTs
	110553	H58934	Hs.124990	ESTs
	110760	N20522	Hs.30981	ESTs
5	110827	N30077	Hs.14855	ESTs
	110829	N30198	Hs.28625	ESTs
	110917	N46363	Hs.5170	ESTs
	111100	N62522	Hs.20450	BCM-like membrane protein precursor
	111112	N63281	Hs.35462	ESTs
10	111179	N67239	Hs.10760	asporin (LRR class 1)
	111185	N67551	Hs.12844	EGF-like-domain, multiple 6
	111223	N88921	Hs.334838	KIAA1866 protein
	111275	N70970	Hs.35006	ESTs
	111443	R01901		gb:Homo sapiens endogenous retrovirus W
15	111573	R10305	Hs.185683	ESTs
	111590	R11157	Hs.75425	ubiquitin associated protein
	111671	R19368	Hs.229084	Homo sapiens cDNA FLJ11666 fis, clone H
	111732	R25153	Hs.163813	ESTs
	111809	R33616	Hs.24688	EST
20	111829	R36070		gb:Homo sapiens full length insert cDNA
	111944	R40806	Hs.21263	suppressor of potassium transport defect
	112016	R42836	Hs.23198	ESTs
	112023	R43020	Hs.236223	EST
	112055	R43621	Hs.26139	ESTs
25	112334	R56239	Hs.206469	ESTs, Weakly similar to ALU6_HUMAN ALU S
	112340	R56602	Hs.8904	Ig superfamily protein
	112353	R58986	Hs.26613	Homo sapiens mRNA; cDNA DKFZp586F1323 (f
	112467	R65706		gb:yl16g12.s1 Soares placenta Nb2HP Homo
	112478	R66087	Hs.28664	ESTs
30	112533	R69886		gb:yl47f03.s1 Soares placenta Nb2HP Homo
	112588	R77302		gb:yl75h00.s1 Soares placenta Nb2HP Homo
	112595	R77783	Hs.22404	protease, serine, 12 (neurolypsin, moto
	112676	R86976	Hs.34060	ESTs
	112744	R93206	Hs.293762	ESTs, Weakly similar to I38022 hypothel
35	112777	R95869	Hs.35467	EST
	112817	R98491	Hs.14584	ESTs
	112902	T09262	Hs.129190	Human DNA sequence from clone RP5-1046G1
	113009	T23699	Hs.7246	ESTs
	113151	T51620	Hs.9326	EST
40	113297	T87161	Hs.13059	ESTs
	113398	T82280	Hs.87018	hypothetical protein FLJ22938
	113484	T87795	Hs.187543	ESTs
	113769	U55966	Hs.22985	alpha2,8-sialyltransferase
	113794	W37382	Hs.11090	membrane-spanning 4-domains, subfamily A
45	113971	W86760	Hs.269172	ESTs
	114066	Z38152	Hs.26920	ESTs
	114178	Z39063	Hs.17930	chromosome 6 open reading frame 11
	114206	Z39294	Hs.27339	EST
	114371	Z41835	Hs.27810	ESTs
50	114428	AA017130	Hs.84790	KIAA0225 protein
	114466	AA026970	Hs.135150	lung type-I cell membrane-associated gly
	114625	AA084362		gb:zn05b10.r1 Stratagene hNT neuron [937
	114862	AA235174	Hs.106432	Homo sapiens cDNA FLJ13410 fis, clone PL
	114908	AA236545	Hs.54973	cadherin-like protein VR20
55	114973	AA250845	Hs.87762	ESTs
	115009	AA261561	Hs.48689	ESTs
	115055	AA263006	Hs.61753	ESTs
	115088	AA268181	Hs.161729	ESTs
	115321	AA280806	Hs.191540	ESTs
60	115385	AA282540	Hs.106694	KIAA1451 protein
	115466	AA287008	Hs.285655	ESTs
	115479	AA287596	Hs.278188	ESTs, Moderately similar to I54374 gene
	115663	AA405838	Hs.40607	ESTs
	115889	AA410545	Hs.199014	ESTs, Moderately similar to ALU7_HUMAN A
65	115748	AA418835	Hs.90286	ESTs
	115810	AA426026	Hs.187615	ESTs
	115827	AA427690	Hs.83583	actin related protein 2/3 complex, subun
	115881	AA435577	Hs.184942	G protein-coupled receptor 64
	116148	AA460708	Hs.82905	hypothetical protein FLJ14834
70	116257	AA481493	Hs.88537	ESTs
	116365	AA521080	Hs.46765	ESTs
	116941	H77395	Hs.39749	ESTs
	116982	H81933	Hs.312582	ESTs
	116995	H83928		gb:ys64b03.s1 Soares retina N2b4HR Homo
75	116997	H84214	Hs.40594	ESTs
	117016	H87171	Hs.52170	ESTs
	117097	H93608	Hs.41919	EST
	117101	H94043	Hs.24341	transcriptional co-activator with PDZ-bi
	117238	N20815	Hs.173337	ESTs
80	117303	N22776	Hs.264079	ESTs
	117399	N26480	Hs.43805	lipoma HMGIC fusion partner-like 3
	117503	N31963	Hs.44286	ESTs
	117544	N32222	Hs.44451	ESTs
	117594	N34929	Hs.171984	ESTs

5	117627	N36113	Hs.44789	ESTs, Weekly similar to B34087 hypothet
	117653	N36970	Hs.194214	ESTs
	117695	N40953	Hs.45093	EST
	117697	N40976		gb:yy80b06.s1 Soares_multiple_sclerosis_
	117766	N47807	Hs.46767	EST
10	117807	N48701	Hs.46523	EST
	117816	N48872		gb:yy77a05.s1 Soares_multiple_sclerosis_
	117882	N50101	Hs.301408	hypothetical protein PP3501
	117987	N51935	Hs.47374	Homo sapiens cDNA FLJ13561 fis, clone PL
	118074	N54188	Hs.130323	Homo sapiens, clone IMAGE:3960432, mRNA
15	118114	N56875	Hs.143212	cystatin F (leukocystatin)
	118151	N58276	Hs.229119	EST
	118270	N62858	Hs.48653	ESTs
	118291	N63076	Hs.138746	EST
	118358	N84017	Hs.144633	hypothetical protein DKFZp434F2322
20	118383	N64529	Hs.49001	EST
	118412	N64856	Hs.97437	centrosomal protein 1
	118433	N86248	Hs.141809	EST
	118600	N69222	Hs.238936	ESTs, Weekly similar to (define not av
	118641	N70298	Hs.49829	ESTs
25	118643	N70324	Hs.49840	ESTs
	118695	N71781	Hs.50081	KIAA1199 protein
	118915	N91481	Hs.54713	ESTs
	119041	R02591	Hs.284294	Breakpoint cluster region protein, uteri
	119069	R27619	Hs.231046	EST
30	119105	R42357	Hs.91453	ESTs
	119154	R61293		gb:yh07a05.s1 Soares Infant brain 1N18 H
	119241	T12559		gb:CH90079 Chromosome 9 exon II Homo sa
	119269	T16367	Hs.65327	EST
	119310	T40427		gb:ya01a06.s2 Stratagene lung (937210) H
35	119345	T63474	Hs.90696	EST
	119353	T66867	Hs.187402	ESTs
	119390	T89122	Hs.249712	ESTs, Weekly similar to ALU1_HUMAN ALU
	119423	T99544	Hs.173734	ESTs, Weekly similar to ALU1_HUMAN ALU
	119428	W02129	Hs.55242	EST
40	119529	W38053		ESTs, Highly similar to S03917 fibronec
	119795	W73370	Hs.339722	ESTs
	119817	W74267	Hs.159690	DKFZP586L2024 protein
	119831	W78050	Hs.58419	hypocretin (orexin) receptor 2
	119830	W86471	Hs.151624	ESTs
45	120039	W92548	Hs.94985	hypothetical protein
	120256	AA169801	Hs.98710	gb:zp54e11.s1 Stratagene NT2 neuronal pr
	120284	AA182626		KIAA0627 protein; Drosophila multiple as
	120350	AA211300	Hs.108614	gb:DKFZp434B1822_r1 434 (synonym: hles3)
	120379	AA227849		FSH primary response (LRPR1, rat) homolo
50	120383	AA228030	Hs.123122	spinal cord-derived growth factor-B
	120420	AA236031	Hs.112885	novel protein with MAM domain
	120437	AA243427	Hs.104311	ESTs
	120461	AA251301	Hs.293369	ring finger protein 10
	120594	AA282054	Hs.5094	homeo box A10
55	120611	AA284178	Hs.110637	EST
	120626	AA285054	Hs.104485	ESTs
	120696	AA291503	Hs.97249	ESTs
	120747	AA302976	Hs.95672	ESTs
	120749	AA303235		gb:EST14544 Testis tumor Homo sapiens cD
60	120752	AA311972	Hs.22895	hypothetical protein FLJ23548
	120851	AA349882	Hs.174248	ESTs
	120866	AA350718	Hs.291272	ESTs
	120849	AA397830	Hs.98347	ESTs, Weekly similar to JC5308 testis-ap
	120996	AA398281	Hs.308114	ESTs
65	121038	AA398536	Hs.97365	ESTs
	121065	AA398658	Hs.97300	ESTs
	121067	AA398662	Hs.97302	ESTs
	121071	AA398678	Hs.139355	ESTs
	121082	AA398722		gb:cz175h07.s1 Soares_testis_NHT Homo sap
70	121172	AA400013	Hs.97750	EST, Weekly similar to MPL3 RAT MICROTUB
	121191	AA400205	Hs.104447	ESTs
	121354	AA405384	Hs.193737	ESTs
	121393	AA405981	Hs.262843	ESTs
	121399	AA406059	Hs.332700	EST
75	121479	AA411911	Hs.98110	ESTs
	121496	AA412033	Hs.178045	ESTs
	121704	AA418743	Hs.98305	KIAA1862 protein
	121736	AA421131	Hs.148515	Human clone 23564 mRNA sequence
	122198	AA435892	Hs.97541	ESTs
80	122220	AA436011	Hs.98187	ESTs
	122250	AA436692	Hs.98892	EST
	122279	AA437209	Hs.234016	ESTs
	122286	AA437259	Hs.104944	ESTs
	122330	AA442870	Hs.98628	Homo sapiens, clone IMAGE:4214491, mRNA,
	122338	AA443311	Hs.98998	ESTs
	122355	AA443789	Hs.19978	CGI-30 protein
	122590	AA453264	Hs.99310	ESTs

5	122746	AA458791			gbcaab8c02.s1 Stratagene fetal retina 93
	122805	AA460702	Hs.82772		collagen, type XI, alpha 1
	122841	AA461536	Hs.288908		WAS protein family, member 2
	122899	AA469950	Hs.178420		ESTs, Highly similar to WASP interacting
	122933	AA476728	Hs.107537		chromosome 7 open reading frame 2
10	123005	AA479726	Hs.52620		integrin, beta 8
	123142	AA487504	Hs.105718		EST
	123153	AA488349	Hs.334808		hypothetical protein MGC4189
	123168	AA488881	Hs.105218		EST
	123188	AA489092	Hs.177726		ESTs
15	123276	AA491270	Hs.187946		ESTs
	123305	AA496133			gbzv51e12.s1 Soares_testis_NHT Homo sap
	123328	AA496968			gbcae42g03.s1 Soares_NhHMPu_S1 Homo sapi
	123450	AA598913	Hs.111207		ESTs
	123464	AA599014	Hs.153321		Homo sapiens cDNA FLJ10577 fls, clone NT
20	123650	AA609332	Hs.180696		ESTs
	123700	AA609806	Hs.191956		ESTs
	123858	AA620821	Hs.112911		EST
	123863	AA620873	Hs.112916		ESTs
	124046	F10243			gbtHSC3CC122 normalized Infant brain cDN
25	124059	F13673	Hs.283713		ESTs, Weakly similar to S64054 hypothesi
	124186	H52617	Hs.144167		ESTs
	124197	H52921			gbzyq76c09.s1 Soares fetal liver spleen
	124229	H62793	Hs.268945		ESTs
	124230	H63111	Hs.6655		Homo sapiens EST from clone 208499, full
30	124241	H65947	Hs.165355		ESTs, Moderately similar to ZN91_HUMAN Z
	124251	H68286	Hs.107924		ESTs
	124400	N30597	Hs.179152		toll-like receptor 7
	124416	N34042	Hs.271674		ESTs
	124570	N67117	Hs.102808		ESTs
35	124575	N68168			gbza11c01.s1 Soares fetal liver spleen
	124588	N69197	Hs.191361		ESTs, Weakly similar to I38022 hypothesi
	124598	N70294	Hs.269137		ESTs, Weakly similar to A56194 thromboxa
	124655	N93176	Hs.102914		ESTs
	124706	R07499	Hs.193612		ESTs, Weakly similar to ALU8_HUMAN ALU
40	124848	R60135	Hs.203498		EST
	124882	R74041	Hs.101539		ESTs
	124898	R82846	Hs.273788		ESTs
	125086	T91161	Hs.173880		Interleukin 1 receptor accessory protein
	125145	W38001			ESTs
45	125218	W73409	Hs.103185		ESTs
	125342	AI055916	Hs.133552		ESTs
	125351	T96520	Hs.324746		alpha-2-HS-glycoprotein
	125419	AI076822	Hs.134544		ESTs
	125424	T99667	Hs.18564		ESTs
50	125526	R14487	Hs.17110		Homo sapiens mRNA; cDNA DKFZp434C2016 (f
	125539	R17870	Hs.248120		G protein-coupled receptor 21
	125633	AA908225	Hs.15463		Homo sapiens, clone IMAGE:2959994, mRNA
	125689	R48940	Hs.108043		Friend leukemia virus Integration 1
	125707	C14616	Hs.284122		Wnt inhibitory factor-1
55	125790	AA866325	Hs.99982		proteoglycan 2, bone marrow (natural kil
	125976	AA324967	Hs.7298		bi-phenyl hydrolase-like (serine hydrolas
	125989	R94247	Hs.88414		BTB and CNC homology 1, basic leucine zi
	125970	AI400864	Hs.177516		high density lipoprotein binding protein
	125975	AA495991	Hs.162290		ESTs, Highly similar to JC2463 vasoactiv
60	125985	H54857	Hs.36981		ESTs
	126018	H54865	Hs.167583		ESTs
	126032	H59735	Hs.269065		ESTs, Highly similar to KIAA0349 [Hsapi
	126059	H66582	Hs.308488		ESTs
	126107	H79155	Hs.93361		ESTs
65	126154	AI004105	Hs.190488		Homo sapiens, Similar to nuclear localiz
	126199	AI000492	Hs.125829		ESTs
	126207	W77936	Hs.83583		actin related protein 2/3 complex, subun
	126227	N27236	Hs.269034		ESTs
	126269	AA830432	Hs.44701		ESTs
70	126373	F11606	Hs.8079		B cell RAG associated protein
	126378	AA347842			gbzyy62a11.s1 Soares_multiple_sclerosis_
	126383	AA885694	Hs.6298		KIAA1161 protein
	126403	N73388	Hs.125976		ESTs, Weakly similar to S71949 metallopr
	126626	AA884833	Hs.186432		ESTs
75	126527	AA548559	Hs.103853		hypothetical protein FLJ20043
	126566	W67245	Hs.103142		ESTs
	126583	W92895	Hs.279746		vanilloid receptor-like protein 1
	126610	AA460338	Hs.191391		ESTs
	126622	AA699443	Hs.193213		ESTs
80	126533	AA206993	Hs.315367		Homo sapiens, Similar to hypothetical pr
	126727	AA037230	Hs.135084		cystatin C (amyloid angiopathy and cereb
	126762	AA064671			gbzcm13b04.s1 Stratagene pancreas (93720
	126775	SB6382	Hs.957		putative opioid receptor, neuromedin K (
	126783	AA126047			gbzcn09d10.s1 Stratagene hNT neuron (937
	126882	AA761143	Hs.250581		SWI/SNF related, matrix associated, acti
	126845	R51877	Hs.25845		ESTs
	126968	AI311457	Hs.99472		ESTs

5	127070	AA641812	Hs.190037	ESTs
	127087	AA380418	Hs.88012	SHP2 interacting transmembrane adaptor
	127187	AA297138	Hs.207422	ESTs, Weakly similar to S71949 metallopro
	127215	AI246377	Hs.127875	ceroid-lipofuscinosis, neuronal B (epile
	127229	AA318181	Hs.61635	6x transmembrane epithelial antigen of
10	127278	AA342715		gb:EST48309 Fetal spleen Homo sapiens cD
	127299	AA360710	Hs.158480	ESTs
	127325	AA393073	Hs.126099	ESTs
	127347	AA428350	Hs.58389	hypothetical protein MGC4090
	127401	AA921944	Hs.127639	ESTs
15	127420	AA699582	Hs.82171	Homo sapiens clone 18187 placenta expres
	127438	AI224421	Hs.77100	general transcription factor IIE, polype
	127441	AA835684	Hs.287601	Homo sapiens cDNA FLJ13830 fis, clone TH
	127449	AI421866	Hs.75722	ribopharin II
	127493	AA908081	Hs.291701	ESTs
20	127505	AA594244	Hs.292245	ESTs, Weakly similar to ALU1_HUMAN ALU S
	127620	AI026699	Hs.116200	ESTs
	127623	AA773234	Hs.271877	angiotensin-like 2
	127633	AI339609	Hs.268538	potassium voltage-gated channel, Isk-rel
	127701	AA935466		gb:zf84c06.s1 Soares_pineal_gland_N3HPG
25	127713	AA688322	Hs.150883	ESTs
	127722	AA700444	Hs.189185	ESTs, Weakly similar to ALUD_HUMAN III
	127733	AA704680	Hs.189005	ESTs
	127818	AA743646	Hs.120604	ESTs, Weakly similar to YA02_HUMAN HYPOT
	127966	AI493406	Hs.292514	ESTs
30	127973	AI336794	Hs.129117	ESTs
	127989	AA909267	Hs.132413	ESTs
	127997	AI281549	Hs.311054	Homo sapiens mRNA full length insert cDN
	128016	N92597	Hs.82689	tumor rejection antigen (gp96) 1
	128037	AA868394	Hs.181129	ESTs, Weakly similar to S18968 cyrtaseII
35	128053	T65805	Hs.65377	ESTs, Moderately similar to KIAA1399 pro
	128066	AA884838	Hs.189171	ESTs
	128071	AA889398	Hs.189241	ESTs
	128091	AA904559	Hs.129329	ESTs
	128113	AI341423	Hs.288433	neurotrophin
40	128145	AI490467	Hs.168869	solute carrier family 4, sodium bicarbon
	128167	AA532961	Hs.85752	uncharacterized hematopoietic stem/proge
	128195	AI143866	Hs.127778	ESTs
	128265	T95851	Hs.17691	ESTs
	128283	AI076570	Hs.134063	ESTs
45	128309	AI457235	Hs.166479	ESTs
	128313	AI051250	Hs.157775	ESTs
	128346	AI088907	Hs.180189	ESTs
	128359	AI085526	Hs.270244	ESTs, Weakly similar to 138022 hypotheti
	128369	F12681	Hs.30445	Homo sapiens cDNA FLJ14687 fis, clone NT
50	128371	HI2876	Hs.283078	hOAT4
	128421	T77876	Hs.268589	ESTs
	128453	X02761	Hs.287820	fibronectin 1
	128496	T83496	Hs.32944	inositol polyphosphate-4-phosphatase, ty
	128514	H84261	Hs.301893	Homo sapiens, clone IMAGE:363894, mRNA,
55	128551	H09058	Hs.278398	KIAA1117 protein
	128683	AA318882	Hs.9605	cleavage and polyadenylation specific fa
	128731	AF005271	Hs.104555	neuropeptide FF-amide peptide precursor
	128843	AA234141	Hs.275675	katanin p80 (WD40-containing) subunit B
	128988	AA411040	Hs.294140	ESTs
60	129016	W84524	Hs.184194	transmembrane 4 superfamily member 5
	129021	AA426406	Hs.173081	KIAA0530 protein
	129095	L12350	Hs.108623	thrombospondin 2
	129171	AA234048	Hs.7753	calumenin
	129188	M30257	Hs.109225	vascular cell adhesion molecule 1
65	129410	U25987	Hs.272620	pregnancy specific beta-1-glycoprotein 9
	129467	AA410311	Hs.44208	hypothetical protein FLJ23153
	129518	AA369807	Hs.112238	ESTs
	129534	R73640	Hs.11260	hypothetical protein FLJ11264
	129632	L27213	Hs.11176	solute carrier family 4, anion exchanger
70	129691	X06700	Hs.119571	collagen, type III, alpha 1 (Ehlers-Danl
	129881	AA468952	Hs.181406	hypothetical protein FLJ22301
	129990	N30316		gb:yw75b05.s1 Soares_placenta_8to9weeks_
	130049	VD1515	Hs.1460	glucagon
	130171	AA454177	Hs.245267	ESTs, Weakly similar to A46010 X-linked
75	130411	AA508009	Hs.169910	KIAA0173 gene product
	130479	R44163	Hs.12457	hypothetical protein FLJ10814
	130511	L32137	Hs.1584	cartilage oligomeric matrix protein (pse
	130521	U92971	Hs.194351	coagulation factor II (thrombin) recepto
	130645	AA020942	Hs.17200	STAM-like protein containing SH3 and ITA
80	130655	N92934	Hs.17409	cysteine-rich protein 1 (intestinal)
	130656	Z20481	Hs.330988	Homo sapiens, Similar to Bicuculin D (Dro
	130889	D57622	Hs.20985	sin3-associated polypeptide, 30kD
	131064	AA598441	Hs.22583	DKFZP434K2235 protein
	131070	F13694	Hs.22607	ESTs
	131189	L16782	Hs.240	M-phase phosphoprotein 1
	131318	X51699	Hs.2558	bone gamma-carboxyglutamate (gla) protei
	131506	W47579	Hs.5801	KIAA1194 protein

5	131551	AA127867	Hs.28608	Homo sapiens cDNA: FLJ22115 fls, clone H
	131563	C20547	Hs.302810	Novel human gene mapping to chromosome 20
	131830	U33054	Hs.32959	G protein-coupled receptor kinase 2 (Dro
	131879	AA017161	Hs.33792	ESTs
	132017	W67251	Hs.267659	vav 3 oncogene
10	132025	U58516	Hs.3745	milk fat globule-EGF factor 8 protein
	132086	AA131410	Hs.3964	Homo sapiens clone 24877 mRNA sequence
	132169	D76435	Hs.41154	Zic family member 1 (odd-paired Drosophi
	132164	U84573	Hs.41270	procollagen-lysine, 2-oxoglutarate 5-dio
	132180	AA405569	Hs.418	fibroblast activation protein, alpha
15	132223	R77451	Hs.4245	chromosome 11 hypothetical protein ORF3
	132238	AA453446	Hs.42673	ESTs
	132406	F09979	Hs.4774	Homo sapiens mRNA; cDNA DKFZp761C1712 (f
	132945	N40559	Hs.6129	ATP-binding cassette, sub-family B (MDR/
	133185	AA481404	Hs.6686	hypothetical protein DKFZp564O1864
20	133193	C14015	Hs.303075	EST
	133370	AA166897	Hs.72157	DKFZP564I1922 protein
	133405	U22172	Hs.179697	Human DNA damage repair and recombination
	133409	U65918	Hs.73078	deleted in azoospermia-like
	133591	T82292	Hs.75111	protease, serine, 11 (IGF binding)
25	133899	X00588	Hs.77432	epidermal growth factor receptor (avian
	134137	F10045	Hs.79347	KIAA0211 gene product
	134339	AA478971	Hs.81988	disabled (Drosophila) homolog 2 (mitogen
	134421	AA122386	Hs.82985	collagen, type V, alpha 2
	134462	U11037	Hs.161300	sel-1 (suppressor of lin-12, C.elegans)-
30	134515	C20737	Hs.84469	ESTs
	134527	T40835	Hs.322978	EST
	134711	X04011	Hs.88974	cytochrome b-245, beta polypeptide (chro
	134824	S78723	Hs.298623	5-hydroxytryptamine (serotonin) receptor
	134854	J03484	Hs.179573	collagen, type I, alpha 2
35	134921	W60186	Hs.125511	Homo sapiens mRNA; cDNA DKFZp434P1530 (f
	135003	H42527	Hs.26102	trichorhinophthalangeal syndrome 1
	135210	W90522	Hs.93589	hypothetical protein DKFZp564B1162
	135348	AA442054	Hs.268177	phospholipase C, gamma 1 (formerly subty
	100547	HG2149-HT2219		gb:Homo sapiens mucin (mucin) mRNA, part
40	100572	HG2271-HT2367	Hs.73995	filaggrin
	100587	HG3115-HT3291		gb:Human Golf-mp gene, exon 2.
	100695	HG315-HT315	Hs.272620	pregnancy specific beta-1-glycoprotein 9
	101447	M21305		gb:Human alpha satellite and satellite 3
	102329	U36407	Hs.158084	peroxisome receptor 1
45	102892	X05232	Hs.83326	matrix metalloproteinase 3 (stromelysin
	103036	X54925	Hs.83169	matrix metalloproteinase 1 (Interstitial
	103206	X72755	Hs.77367	monokine induced by gamma interferon
	103260	X78416	Hs.3155	casein, alpha
	103761	AA082824		gb:zo08b08.s1 Stratagene neuroepithelium
50	104113	AA427510	Hs.181202	hypothetical protein FLJ10038
	104318	D81871	Hs.330821	EST
	104453	M19169	Hs.123114	cystatin SN
	104668	AA007312		gb:EST37645B MAGE resequences, MAGH Homo
	104916	AA056598	Hs.155489	NS1-associated protein 1
55	106151	AA424958	Hs.294132	ESTs
	106899	AA490107	Hs.21753	JM5 protein
	107379	U93868	Hs.333861	polymrase (RNA) III (DNA directed) (32k
	107412	W26105	Hs.287797	integrin, beta 1 (fibronectin receptor,
	107652	AA010195	Hs.52842	ESTs, Weakly similar to ALUF_HUMAN IIII
60	107754	AA017482	Hs.269244	ESTs
	107897	AA026240		gb:zo77a05.s1 NCL CGAP_AA1 Homo sapiens
	108238	AA059473	Hs.66783	EST
	108497	AA083070		gb:zm85a05.r1 Stratagene ovarian cancer
	108710	AA121950		gb:zm24g09.r1 Stratagene pancreas (S3720
65	109032	AA156576	Hs.5947	mel transforming oncogene (derived from
	109043	AA159805	Hs.72580	ESTs
	109560	F01778	Hs.131740	Homo sapiens cDNA: FLJ22562 fls, clone H
	110572	H60523	Hs.37844	EST
	110687	H93005	Hs.177311	ESTs
70	111418	R01084	Hs.19081	ESTs
	111507	R07728	Hs.268668	ESTs
	111644	R18539	Hs.223649	EST, Moderately similar to Cx4-7 Metallo
	111919	R39926	Hs.21031	ESTs, Weakly similar to 178585 serine/th
	112102	R44840	Hs.326475	ESTs
75	112229	R50938	Hs.24949	ESTs
	112309	R55021		gb:y76d05.s1 Soares breast 2NbHEst Homo
	112368	R58371	Hs.26653	ESTs
	112397	R50822	Hs.26805	ESTs, Weakly similar to putative p150 [
	112532	R69824	Hs.28313	ESTs
80	112858	T02963	Hs.4454	ESTs
	113170	T54342	Hs.270373	ESTs, Weakly similar to S65857 alpha-1C
	113321	T70580	Hs.13759	RAB3A interacting protein (rabln3)-like
	113404	T82323	Hs.70337	immunoglobulin superfamily, member 4
	113420	T83964	Hs.15400	ESTs, Weakly similar to S65824 reverse
	113613	T93337	Hs.17167	ESTs, Highly similar to LRR FLJ4 intra
	113663	T96909		gb:ye47g07.s1 Soares fetal liver spleen
	113790	W33178	Hs.26912	ESTs

5	113889	W72720		gb:zd61c03.s1 Soares_fetal_heart_NbHH19W
	114016	W90671	Hs.11087	ESTs
	114251	Z39898	Hs.21948	ESTs
	115187	AA261805	Hs.44021	Homo sapiens mRNA for FLJ00065 protein,
	115722	AA417297	Hs.59609	ESTs
10	115775	AA424030	Hs.46627	ESTs
	116380	AA598455	Hs.66817	ESTs
	116651	D20458	Hs.229071	EST
	117009	H85422	Hs.108556	ESTs
	117329	N23680	Hs.93670	Homo sapiens cDNA: FLJ22664 fis, clone H
15	117523	N32626	Hs.145532	ESTs, Weakly similar to FV1 MOUSE FRIEND
	118387	N64579		gb:yz51d11.s1 Morton Fetal Cochlea Homo
	118456	N66580		gb:yy69d1.s1 Soares_multiple_sclerosis_
	118741	N74042	Hs.50421	KIAA0203 gene product
	118771	N74690	Hs.50547	ESTs
20	119075	R36451	Hs.287820	fibronectin 1
	119217	R95778	Hs.237309	EST
	119306	T26914	Hs.132786	EAP30 subunit of ELL complex
	119347	T64349		gb:yc10d08.s1 Stralagene lung (937210) H
	120006	W90108	Hs.10848	KIAA0187 gene product
25	120441	AA243588	Hs.190035	ESTs
	120651	AA287286	Hs.99657	ESTs
	120811	AA346854	Hs.52788	fragile X mental retardation, autosomal
	121186	AA400156	Hs.339808	hypothetical protein FLJ10120
	121589	AA416770	Hs.88255	EST
30	122146	AA435584	Hs.250173	hypothetical protein FLJ13158
	122261	AA436830	Hs.98902	ESTs
	122352	AA443725	Hs.159677	ESTs
	122433	AA447417	Hs.285491	ESTs
	122489	AA448342	Hs.178551	ribosomal protein L8
35	122554	AA451886	Hs.154654	cytochrome P450, subfamily I (dioxin-Ind
	122857	AA463879	Hs.99806	EST, Weakly similar to STK2_HUMAN SERIN
	122889	AA465704	Hs.287687	Homo sapiens cDNA: FLJ21960 fis, clone H
	123399	AA521274	Hs.105516	EST
	123662	AA609385	Hs.112703	ESTs, Moderately similar to AF171102.1 r
40	123762	AA610013		gb:af18d04.s1 Soares_testis_NHT Homo sap
	123792	AA620333	Hs.112857	ESTs
	123900	AA621223	Hs.112953	EST
	123981	C20797	Hs.95481	ESTs
	124126	H18517	Hs.184568	fibroblast growth factor 7 (keratinocyte
45	124404	N31998	Hs.184256	hypothetical protein FLJ20657
	124557	N66025	Hs.141604	ESTs, Moderately similar to ALU1_HUMAN A
	124703	R07294	Hs.300076	soluble carrier family 22 (organic cation
	124867	R68971	Hs.168500	ESTs
	125092	T92544	Hs.137548	CD84 antigen (leukocyte antigen)
50	125111	T96240	Hs.178658	RAD23 (S. cerevisiae) homolog B
	125331	A1422996	Hs.161378	ESTs
	125349	T87826	Hs.164480	ESTs, Weakly similar to T50609 hypotheti
	125426	R43963	Hs.184029	hypothetical protein DKFZp761A052
	125436	R64472	Hs.16131	hypothetical protein FLJ12876
55	125465	A1375278	Hs.158732	ESTs
	125515	R13363		gb:yyf78c04.r1 Soares infant brain 1N1B H
	125626	A1038854	Hs.180789	S164 protein
	125656	AA040118	Hs.78687	neutral sphingomyelinase (N-SMase) activ
	125743	H17151		gb:ym37a05.r1 Soares infant brain 1N1B H
60	125757	A1274906	Hs.166835	ESTs, Highly similar to 1814460A p53-ass
	125760	W03020	Hs.40300	calpain 3, (p94)
	125804	R79519	Hs.168899	ESTs
	125967	A1341206	Hs.173770	ESTs
	126068	A1190171	Hs.144413	ESTs
65	126091	A1346024	Hs.227835	KIAA1049 protein
	126150	AA018427	Hs.64616	chromosome 12 open reading frame 3
	126171	AA704771	Hs.181942	ESTs
	126198	A1469355	Hs.127310	ESTs
	126224	A1097280	Hs.44493	Human DNA sequence from clone 462O23 on
70	126289	AA194803	Hs.73451	ESTs, Weakly similar to S55024 nebulin,
	126343	AA628890	Hs.158701	ESTs
	126406	AA034096		gb:yy41h02.r1 Soares fetal liver spleen
	126419	AA451775	Hs.129084	Homo sapiens chromosome 19, cosmid F2216
	126479	T78141	Hs.12285	ESTs, Weakly similar to I55214 salivary
75	126500	AA885306	Hs.184376	synaptonemal-associated protein, 23kD
	126520	AA292988	Hs.72071	hypothetical protein FLJ20038
	126701	AA515212	Hs.339670	ESTs, Weakly similar to AF147790.1 trans
	126718	AA322718	Hs.309435	ESTs, Weakly similar to KIAA0927 protein
	126739	A1160709	Hs.289047	Homo sapiens cDNA FLJ14059 fis, clone HE
80	126745	AA057606		gb:zf49g04.r1 Soares retina N2b4HR Homo
	126846	AA683527	Hs.116910	ESTs
	126872	AA136653		gb:UL-H-B13-ala-a-12-0-UL.s1 NCI_CGAP_Su
	126952	AA195575	Hs.85962	hyaluronan synthase 3
	127036	A1468598	Hs.276916	nuclear receptor subfamily 1, group D, m
	127039	AA233366	Hs.168103	prp28, US snRNP 100 kd protein
	127067	F08732		gb:HSC1JA051 normalized infant brain cDN
	127083	Z44079	Hs.91608	oligoferrin

5	127116	AA278492	Hs.288304	Homo sapiens cDNA FLJ11529 fis, clone HE
	127282	AA347547	Hs.105780	ESTs
	127349	AA412108	Hs.259350	ESTs
	127352	AA416577	Hs.189105	ESTs, Weakly similar to NBR13 [H.sapiens
	127482	AI337294	Hs.105352	GalNAc alpha-2, 6-sialyltransferase I, I
	127543	AI364367	Hs.157392	Homo sapiens cDNA FLJ20780 fis, clone CO
	127553	AA282433		gb:aa63g02.r1 NCI_CGAP_GCB1 Homo sapiens
	127556	AA679831	Hs.190228	ESTs
10	127659	AA806837	Hs.291559	ESTs
	127993	AA847856	Hs.124565	ESTs
	128277	AI018275	Hs.269791	ESTs
	128285	AA634569	Hs.13351	LanC (bacterial antibiotic synthetase c
	128317	AI051980	Hs.303754	ESTs
	128334	AI080130	Hs.134207	ESTs
15	128428	AI185718	Hs.143900	ESTs
	128582	U22963	Hs.101840	major histocompatibility complex, class
	128592	AA470066	Hs.113994	Homo sapiens cDNA FLJ20796 fis, clone CO
	128751	AA442274	Hs.183176	ESTs
20	129105	AA224351	Hs.108681	Homo sapiens brain tumor associated prot
	129161	N27334	Hs.181780	hypothetical protein FLJ20241
	129246	N99174	Hs.208063	ESTs
	129361	X64228	Hs.110713	DEK oncogene (DNA binding)
	129577	AA424952	Hs.82906	CDC20 (cell division cycle 20, S. cerevi
25	129600	N78980	Hs.271599	hypothetical protein MGC10500
	129689	AF005887	Hs.247433	activating transcription factor 6
	130024	U15197	Hs.113271	ABO blood group (transferase A, alpha 1-
	130292	U70136	Hs.218791	proteoglycan 4, (megakaryocyte stimulat
	130589	AA234308	Hs.16441	DKFZP434H204 protein
30	130736	T99385		gb:ow68g07.s1 Soares_fetal_liver_spleen_
	131238	R82327	Hs.24625	ESTs
	131378	AA463886	Hs.203910	small glutamine-rich tetrapeptide r
	131601	M31165	Hs.29352	tumor necrosis factor, alpha-induced pro
	131805	AA256220	Hs.29383	Homo sapiens mRNA; cDNA DKFZp434E2321 (f
35	131676	C20785	Hs.30514	ESTs
	131661	D11925	Hs.164245	KIAA0929 protein Mx2 interacting nuclea
	131873	H39997	Hs.168852	KIAA1683 protein
	132023	F01927	Hs.3743	matrix metalloproteinase 24 (membrane-in
	132273	AA489716	Hs.43658	DKFZP586L151 protein
40	132770	AA426647	Hs.56405	Homo sapiens cDNA FLJ13549 fis, clone PL
	132859	D20925	Hs.69235	transporin-SR
	133052	R40166	Hs.105826	KIAA1696 protein
	133373	S72487	Hs.73946	endothelial cell growth factor 1 (pietal
	133446	M25322	Hs.73800	selectin P (granule membrane protein 140
45	134693	N70361	Hs.8854	Human transcription unit PVT gene, exons
	134733	U03644	Hs.69421	CBF1 interacting corepressor
	134965	J05480	Hs.272458	protein phosphatase 3 (formerly 2B), cat
	135327	AA477989	Hs.98800	ESTs
	135377	C21382	Hs.99766	Homo sapiens mRNA; cDNA DKFZp564J0323 (f
50	135398	AA194075	Hs.287270	ret proto-oncogene (multiple endocrine

TABLE 44B

Key: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Key	CAT number	Accessions
108497	110079_2	AA074897 AA113914 AA064871 AA079329 AA071309 AA084710 AA129030 AA075042 AA074794 AA071453 AA078803 AA148628 AA122204 AA074169 AA126185 AA079117 AA127089 AA070912 AA079280 AA131372 AA078833 AA071087 AA076131 AA071047 AA079401 AA083070 AA102076 AA115163 AA074198 AA134725 AA113869 AA121103 AA075041 AA065148 AA071310 AA101144 AA079659 AA078931 AA079209 AA070928 AA068994 AA069817 AA076187 AA069053 AA131489 AA071308 AA063317 AA070156 AA071430 AA076056 AA075684 AA070053 AA126283 AA126078 AA075695 AA079208 AA074583 AA071086 AA079623 AA070627 AA078802 AA076622 AA065061 AA079143 AA071110 AA079434 AA148748 AA079230 AA085188 AA074485 AA070580 AA076151 AA083166 AA085118 AA079450 AA085044 AA120938 AA079200 AA100188 AA081472 AA122355 AA129031 AA085362 AA069220 AA070940 AA075968 AA074563 AA084027 AA115929 AA04872 AA026240 AI168326 T99385 AA121959 AA121960 AW884944 L07517 AW869606 N68168 N69188 N90450 AW835829 AA826305 R01759 N40976 AA902795 R13363 R13890 H11359 NE4579 AA491328 N42312 U88896 U88898 AA916056 T03285 A1341594 A1359534 A1634031 U88897 N58924 AA347842 H17151 H11958 N76683 AA034096 AA034082
107897	91776_1	
130736	611414_1	
108710	133580_1	
100943	45976_1	
124675	1668649_1	
125439	465590_1	
117697	498877_1	
125515	181_2	
118387	55081_5	
126292	327512_1	
102798	34624_4	
126378	244444_1	
125743	5025_5	
126406	95703_1	

	127067	1534978_1	F06732 Z43705
	119243	1774795_1	T12603 T12604
5	111443	31528_18	AF072503 AF208161 AA613238 H12439 N76991 D76692 BE019603 AA776439 R37932 T93615 AF072508 R00744 R01948 R66685
			AH128496 AA865193 A1797629 H13302 AF072506 NM_014590 AF072505 R00743 T93661 T39619 R68740 H13097 N58614 N77302
			H01372 N41878 H04136 AA426511 AW971553 AW900030 R76136 T52094 A1596135 AA781423 R76096 R77278 A1393478 AA837267
			A1670707 R01901 R27412 N63177 A1379210 A1128526 AA250958 R79323 R27389 H01325 N55091 T69704 AA866777 T47345 R27591
			AA860368 AA729556 H04137 T87297 C17420 AA293243 AA419144
10	127278	240540_1	AA342715 AA367634
	103751	118557_1	AA131367 AA082824
	126636	80804_1	AA057531 AA001527
	127331	379388_1	F20186 AA622352
	127357	288073_1	AA424107 AA452788
	126746	104479_1	AA047854 AA057506 AA053841
15	126762	110350_3	AA064613 AA064671
	126783	113388_1	AA083531 AA126047 AA074915 AA148649
	112309	1576900_1	R55021 H26613
	126872	142696_1	AW450979 AA136653 AA136656 AW419381 AA984358 AA492073 BE168945 AA809054 AW238038 BE011212 BE011359 BE011367
			BE011368 BE011362 BE011215 BE011365 BE011363
20	120284	158963_1	AA179656 AA182626 AA182603
	111829	48636_1	AF074991 R36070
	104668	82752_1	AW964385 AA007312 A1081711 AA318253 AW891655 T99192
	127553	202308_2	AA505046 AW969109 AA505047
	120379	34624_3	AL042725 BE063316 AW975610 AA457591 BE062092 A1655202 AA714296 A1267264 A1075321 AA223286 AA071122 AA227849
25			AA216700 A1696002 AA101867 AA099426 AA135997 AL041658 T02815 T51824 AA207189 T59230 T51858 AA663341 BE165757
			AW818104 AW392885 AA584918 AA099408 AW865396 AW861859 AA053045
	127701	405284_1	AA679064 AA935466
	128410	288073_1	AA424107 AA452788
	114625	111688_1	AA081507 AA070071 AA070840 AA084362
30	109026	150431_1	AA157811 AA836869
	108409	113869_1	AA075631 AA075578
	100587	tigr_JT3291	L18062
	109326	genbank_AA210719	AA210719
	123762	genbank_AA610013	AA610013
35	116548	genbank_D20433	D20433
	125145	entrez_W38001	W38001
	125153	entrez_W38294	W38294
	116995	genbank_H83928	H83928
	102649	genbank_U68133	U68133
40	118456	genbank_N66580	N66580
	102860	entrez_X00368	X00368
	120715	genbank_AA292700	AA292700
	120749	genbank_AA303235	AA303235
	113863	genbank_T85909	T85909
45	113889	genbank_W72720	W72720
	108258	genbank_AA063269	AA063269
	101046	entrez_K01160	K01160
	125990	genbank_N30316	N30316
	122746	genbank_AA458791	AA458791
50	124046	genbank_F10243	F10243
	108436	genbank_AA078801	AA078801
	124197	genbank_H52921	H52921
	101447	entrez_M21305	M21305
	108852	genbank_AA133131	AA133131
55	101697	entrez_M64368	M64368
	108931	genbank_AA147186	AA147186
	101900	entrez_S69265	S69265
	117816	genbank_N48872	N48872
60	119154	genbank_R61293	R61293
	118241	genbank_T12559	T12559
	119310	genbank_T40427	T40427
	119347	genbank_T64349	T64349
	119529	entrez_W38053	W38053
65	112467	genbank_R65706	R65706
	112533	genbank_R69886	R69886
	112588	genbank_R77302	R77302
	121082	genbank_AA398722	AA398722
	123305	genbank_AA496133	AA496133
	123328	genbank_AA496968	AA496968
70	100547	tigr_JT2219	M57417
	123490	genbank_AA599723	AA599723

75 TABLE 45A: 90 GENES DOWN-REGULATED IN RHEUMATOID ARTHRITIS COMPARED TO NORMAL BODY

Table 45A lists about 90 genes down-regulated in rheumatoid arthritis. These were selected from 35403 probesets on the Affymetrix/Eos Hu01 GeneChip.

80 Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigeneID: Unigene number
 Unigene Title: Unigene gene title

	Pkey	ExAccn	UnigeneID	Unigene Title
5	100137	D13627	Hs.15071	chaperonin containing TCP1, subunit 8 (t
	100240	D31767	Hs.75416	OAZ associated protein 2
	100289	D45248	Hs.179774	proteasome (prosome, macropain) activator
	100658	HG2855-HT2985	Hs.75452	heat shock 70kD protein 2
	100763	HG3597-HT3800		gb:Human major histocompatibility comple
10	100779	HG3731-HT4001	Hs.302063	immunoglobulin heavy constant mu
	101091	L06132	Hs.149155	voltage-dependent anion channel 1
	101155	L13972	Hs.301698	sialyltransferase 4A (beta-galactosidase
	102223	U24685		gb:Human major histocompatibility comple
	102282	U31383	Hs.79126	guanine nucleotide binding protein 10
15	102378	U40369	Hs.28491	spermidine/spermine N1-acetyltransferase
	102386	U40998	Hs.81728	unc119 (C.elegans) homolog
	102389	U41371	Hs.75916	splicing factor 3b, subunit 2, 145kD
	102480	U50327	Hs.1432	protein kinase C substrate 80K-H
	102566	U59752	Hs.303091	pleckstrin homology, Sec7 and coiled/coi
20	102605	U64444	Hs.181369	ubiquitin fusion degradation 1-like
	102693	U73824	Hs.183684	eukaryotic translation initiation factor
	102710	U77627	Hs.113207	G protein-coupled receptor 30
	102920	X12451	Hs.78056	cathepsin L
	102929	X13238	Hs.74849	cytochrome c oxidase subunit VIc
25	103186	X67951	Hs.180809	peroxiredoxin 1
	103283	X80199	Hs.83422	MLN51 protein
	103463	Y00281	Hs.2280	ribophorin I
	103835	AA172215	Hs.93748	Homo sapiens cDNA FLJ14576 fis, clone NT
	104796	AA029368	Hs.33026	hypothetical protein PP2447
30	105714	AA281429	Hs.12211	GDP-fucose transporter 1
	105927	AA402568	Hs.332040	hypothetical protein MGC13010
	105945	AA404512	Hs.14453	interferon consensus sequence binding pr
	106001	AA410986	Hs.8963	Homo sapiens mRNA full length insert cDN
	106027	AA412119	Hs.234799	breakpoint cluster region
35	106227	AA429262	Hs.19613	ESTs
	106295	AA435664	Hs.8683	similar to APOBEC1
	106417	AA448008	Hs.261828	G protein-coupled receptor kinase 7
	107391	W02877	Hs.284294	Breakpoint cluster region protein, uteri
	109107	AA169180	Hs.269280	ESTs
40	109685	F09325	Hs.28102	ESTs
	110021	H11252	Hs.31037	ESTs
	110738	H99370	Hs.139648	kinesin family member 1C
	112746	R93237	Hs.74170	metallothionein 1E (functional)
	113059	T26925	Hs.172684	vesicle-associated membrane protein 8 (e
45	113822	W47350	Hs.17466	retinoic acid receptor responder (tazara
	113859	W67225	Hs.13273	KIAA0592 protein
	113909	W78127	Hs.9956	hypothetical protein FLJ20259
	114893	AA122158	Hs.300683	Homo sapiens cDNA FLJ12825 fis, clone NT
	115399	AA283182	Hs.92023	core histone macroH2A2.2
50	116606	D80217	Hs.259842	protein kinase, AMP-activated, gamma 2 n
	116833	F02702	Hs.268726	ESTs, Highly similar to ZN91_HUMAN ZINC
	119254	T15837	Hs.279009	matrix Gla protein
	119493	W35384	Hs.50477	RAB27A, member RAS oncogene family
	120108	W95696	Hs.16803	LUC7 (S. cerevisiae)-like
55	120886	AA365586	Hs.301342	hypothetical protein MGC1342
	120953	AA397911	Hs.97499	ESTs, Weakly similar to unknown [H.sapi
	121303	AA402441	Hs.303197	B-cell CLL/lymphoma 7C
	121547	AA412448	Hs.104777	ESTs
	123495	AA599850	Hs.106747	serine carboxypeptidase 1 precursor prot
60	123608	AA609144	Hs.112551	ESTs
	123749	AA609949	Hs.112790	EST
	124763	R39510	Hs.76288	calpain 2, (mu1) large subunit
	125388	H60192	Hs.76853	Homo sapiens mRNA; cDNA DKFZp434N1728 (f
	125657	AA481719	Hs.150540	Homo sapiens, clone IMAGE3954951, mRNA,
65	125670	A1432621	Hs.82685	CD47 antigen (Rb-related antigen, Integr
	125882	H45538	Hs.101448	metastasis associated 1
	126541	AA204913	Hs.7854	zinc-finger regulated transporter-like
	126716	R70180	Hs.241552	KIAA0268 protein
	126817	AA478642	Hs.291623	ESTs, Weakly similar to unnamed protein
70	127112	A1143905	Hs.125103	ESTs
	127273	AA335263	Hs.144950	ESTs
	127615	AA718919		gb:zv88a04.s1 Soares_NhHMPu_S1 Homo sapi
	127635	AA766903	Hs.116346	ESTs, Highly similar to A46297 beta-1,6-
	128528	R39234	Hs.251699	ESTs, Weakly similar to IDN4-CGTR14 [H.s
75	129398	AA437374	Hs.234573	Homo sapiens mRNA for TL132
	129521	AA489459	Hs.301005	purine-rich element binding protein 8
	131037	AA256171	Hs.22391	chromosome 20open reading frame 3
	131328	V01512	Hs.25647	v-fos FBJ murine osteosarcoma viral onco
	131631	AA485868	Hs.29802	stl (Drosophila) homolog 2
80	132079	H67964	Hs.38694	ESTs
	132455	T15774	Hs.4892	Homo sapiens clone 24841 mRNA sequence
	132582	AA318547	Hs.276712	eukaryotic translation initiation factor
	132610	AA443114	Hs.5326	amino acid system N transporter 2; porcu
	132755	AA609201	Hs.182635	ESTs
	133192	AA393804	Hs.67052	vacuolar protein sorting 26 (yeast homol

133437	R57419	Hs.7370	phosphatidylinositol transfer protein, b
133449	AA094989	Hs.7381	voltage-dependent anion channel 3
133649	AA479139	Hs.75393	acid phosphatase 1, soluble
133814	M33882	Hs.76391	myxovirus (influenza) resistance 1, homo
134378	AF060808	Hs.82425	actin related protein 2/3 complex, subun
134419	L08044	Hs.82981	trefoil factor 3 (intestinal)
134548	U41515	Hs.333485	Deleted in split-hand/split-foot 1 regio
134776	J05582	Hs.89503	mucin 1, transmembrane
135032	AA243497	Hs.173685	hypothetical protein FLJ12619

TABLE 45B

Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Pkey	CAT number	Accessions
127615	380951_1	AA626215 AA718919
100763	tigr_HT3800	X12432 Y08693
102223	221_265	AF013616 AA300945 X65907 AF062264 AF062290 Z47228 Z75389 Z75374 AF062152 AF062146 Z75398 X64153 AF062101 AF062218 S59161
		Z75392 AF082196 AF062192 X65904 U24585 AF062181 Z47241 Z75376 AF062217 Z47234 X84152 AF062187 AF062173 AF062158 Z47229
		M74018 M74021 X54441 M84512 L29115 M84508 Z75384 AJ244983 AJ245240 AJ245030 AJ245042 M28998 U3635 S64473 AJ244987 AJ245013
		AJ279535 U89768 AF174049 AF174085 AF174086 U97246 AJ245011 AJ245017 AJ245028 AJ245041 AJ245051 AJ245065 AJ245236 U22391
		Z49143 Z74665 AF087428 S66098 Z70650 AJ244829 AF006528 AF022004 AF021983 U00566 AJ245035 Z70617 Z70605 AJ245052 AJ245046
		AF087424 AF174054 S87110 U21257 U21267 U21268 Z35492 U71103 AF021991 L23518 Z70644 AJ245036 Z49141 AF089001 Z74695 Z46304
		AF021957 AF021990 AF022005 AF062527 AF021947 Z70604 Z70610 AF062104 Z49135 X64235 Z46341 Z46305 Z46307 Z49138 AJ244996
		Z46342 AJ244931 AJ244935 AJ244937 AJ244938 L12192 AJ244939 AJ244940 AJ244941 Z46308 AJ244962 AF062234 AJ244973 AJ244984
		AJ244985 AF174088 AJ279519 AJ279521 AJ279526 AJ245009 AJ279531 AJ245008 AJ244994 AJ244991 AJ244990 AJ244988 AJ244987 X87440
		AJ245238 Z70626 Z70641 Z70640 Z70643 AJ244975 Z70616 Z70637 AJ244982 AJ244967 AJ239377 AJ245057 AF021948 AF107239
		AJ245040 L34163 AF062231 Z70627 AF052113 AF006527 AF174041 AJ279537 Z70642 U00497 Z70639 AJ245054 AJ244960 AJ279524 AJ244943
		AJ248631 AF035041 AJ245039 AJ245050 AF107233 AJ239362 AJ244969 Z46278 Z46290 Z46274 Z46281 AJ239361 L25293 AJ244944 AJ244951
		Z46280 Z46270 AJ245043 Z46276 AF107241 Z46271 Z46277 AJ245034 Z46273 AJ244992 Z46282 Z70638 Z46275 AJ244972 Z46272 Z46279
		Z46289 AF087422 M74469 X64159 AF103243 X64156 AJ244942 Z46316 AJ222547 Z46322 Z46324 Z46326 Z46327 AJ222568 Z46329 Z46330
		Z46302 AJ222561 AJ222549 AJ222568 AJ222570 AJ222571 Z49139 AJ222578 AJ222562 AJ222577 Z46323 AJ222576 AJ222566 Z46315
		AJ222557 AJ222564 AJ222559 AJ222573 AJ222575 Z46318 AJ222548 Z46319 AJ222552 AJ222550 AJ222567 AJ222558 AJ222563 Z46317
		X87438 AJ222555 AJ240581 AF103161 AJ240580 AJ240594 Y17929 AJ240553 AJ240573 AJ240568 AJ240555 Y17927 Y17949 AJ240561 Y17948
		Y17933 Y17947 Y17944 Y17928 Y17931 Y17934 AJ240595 Y17943 Y17932 Y17930 AJ240590 AJ240560 Y17945 AJ240556 S79918 AF103278
		AW364258 AF103299 AF103122 X75022 AF004937 Z30557 Z30677 Z30573 Z30576 Z30561 Z30674 Z30562 Z30675 AW403129 AJ203192
		AW404253 AW237246 AI654630 H61354

Table 46A lists about 714 genes upregulated in esophageal cancer relative to normal body tissues. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression.

Table 47A lists about 113 genes upregulated in esophageal tumors relative to normal esophagus. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression.

Table 48A lists about 162 genes downregulated in esophageal tumors relative to normal esophagus. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression.

TABLE 46A:

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigenelD: Unigene number
 Unigene Title: Unigene gene title
 R1: 90th percentile of esophageal tumor AIs divided by the 70th percentile of normal tissue AIs, where the 15th percentile of the normal tissue AIs was subtracted from both the numerator and denominator.

Pkey	ExAccn	UnigenelD	Unigene Title	R1
413808	J00287		Homo sapiens mRNA for caldesmon, 3' UTR	31.57
411243	AB039886	Hs.69319	CA11	26.06
422168	AA586894	Hs.112408	S100 calcium-binding protein A7 (psorias)	25.65
401781			Target Exon	23.23
424098	AF077374	Hs.139322	small proline-rich protein 3	21.35
425211	M18667	Hs.1867	progastricsin (pepsinogen C)	20.37
417388	BE185289	Hs.1076	small proline-rich protein 1B (cornifin)	20.33
401780			NM_005557: Homo sapiens keratin 16 (foca	18.94
421948	L42583	Hs.334309	keratin 6A	18.13
400289	X07820	Hs.2258	matrix metalloproteinase 10 (stromelysin	18.01
429538	BE182592	Hs.11261	small proline-rich protein 2A	17.31
400668			NM_002425: Homo sapiens matrix metallopro	17.28
418007	M13509	Hs.83169	matrix metalloproteinase 1 (interstitial	16.96

	430520	NM_016190	Hs.242057	chromosome 1 open reading frame 10	16.35
	408522	AI541214	Hs.46320	Small proline-rich protein SPRK (human,	16.22
	413278	BE563085	Hs.833	interferon-stimulated protein, 15 kDa	15.64
5	421582	AJ910275		trefoil factor 1 (breast cancer, astroge	14.86
	425679	X05987	Hs.159177	lipase, gastric	14.53
	421773	W59233	Hs.112457	ESTs	14.26
	433091	Y12642	Hs.3185	lymphocyte antigen 6 complex, locus D	14.26
	422158	L10343	Hs.112341	protease inhibitor 3, skin-derived (SKAL	13.93
10	444325	AW152618	Hs.16757	ESTs	13.24
	431723	AW058350	Hs.16762	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	13.19
	420783	AI659838	Hs.99923	lectin, galactoside-binding, soluble, 7	11.98
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	10.99
	426350	NM_003245	Hs.2022	transglutaminase 3 (E polypeptide, prote	10.77
15	432239	X81334	Hs.2936	matrix metalloproteinase 13 (collagenase	10.31
	446292	AF081497	Hs.279682	Rh type C glycoprotein	9.69
	421978	AJ243662	Hs.110196	NICE-1 protein	9.68
	448811	AI580371	Hs.199460	ESTs	9.38
	453331	AI240665		ESTs	9.37
20	423634	AW559908	Hs.1690	heparin-binding growth factor binding pr	9.28
	413719	BE439580	Hs.75498	small inducible cytokine subfamily A (Cy	9.18
	406687	M31126		matrix metalloproteinase 11 (stromelysin	9.13
	454034	NM_000691	Hs.575	aldehyde dehydrogenase 3 family, member	9.04
	450701	H39960	Hs.288467	hypothetical protein XP_098151	8.77
25	418886	Z36830	Hs.87268	annexin A8	8.76
	421110	AJ250717	Hs.1355	cathepsin E	8.42
	407789	BE514982	Hs.38991	S100 calcium-binding protein A2	8.42
	424012	AW368377	Hs.137569	tumor protein 63 kDa with strong homolog	8.38
	423217	NM_000094	Hs.1640	collagen, type VII, alpha 1 (epidermolys	8.18
30	427666	AI791495	Hs.180142	calmodulin-like skin protein (CLSP)	8.11
	450375	AA009647		a disintegrin and metalloproteinase doma	8.03
	401785			NM_002275*:Homo sapiens keratin 15 (KRT1	7.97
	445891	AW391342	Hs.199460	DPK1 protein	7.95
	437053	AJ077018	Hs.3235	keratin 4	7.93
35	423271	W47225	Hs.126266	Interleukin 1, beta	7.80
	409757	NM_001898	Hs.123114	cystatin SN	7.74
	444342	NM_014398	Hs.10887	similar to lysosome-associated membrane	7.64
	452638	U65011	Hs.30743	preferentially expressed antigen in mela	7.58
	429211	AF052693	Hs.198249	gap junction protein, beta 5 (connexin 3	7.55
40	428330	L22524	Hs.2256	matrix metalloproteinase 7 (matrilysin,	7.26
	448045	AJ297435	Hs.20166	prostate stem cell antigen	7.14
	408243	Y00787	Hs.624	Interleukin 8	7.13
	429359	W00482	Hs.2399	matrix metalloproteinase 14 (membrane-in	7.08
	437191	NM_006846	Hs.331555	serine protease inhibitor, Kazal type, 5	7.04
45	407366	AF026942	Hs.17518	gcl:Homo sapiens clg33 mRNA, partial sequ	7.04
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	6.98
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy	6.89
	414774	X02419	Hs.77274	plasminogen activator, urokinase	6.85
	439926	AW014875	Hs.137007	ESTs	6.84
50	446921	AB012113	Hs.18530	small inducible cytokine subfamily A (Cy	6.82
	429259	AA420450	Hs.292911	Plakophilin	6.77
	419741	NM_007019	Hs.93002	ubiquitin carrier protein E2-C	6.71
	424834	AK001432	Hs.153408	Homo sapiens cDNA FLJ10570 fis, clone NT	6.67
	429228	AI563833	Hs.326447	ESTs	6.61
55	426312	AF026939	Hs.181874	interferon-induced protein with tetratri	6.60
	431211	M88849	Hs.323733	gap junction protein, beta 2, 25kD (conn	6.58
	441362	BE614410	Hs.23044	RAD51 (S. cerevisiae) homolog (E. coli Re	6.55
	414987	AA524394	Hs.294022	hypothetical protein FLJ14850	6.54
	446989	AK001898	Hs.16740	hypothetical protein FLJ11036	6.53
60	409532	W74001	Hs.55279	serine (or cysteine) proteinase inhibito	6.51
	422166	W72424	Hs.112405	S100 calcium-binding protein A9 (calgran	6.49
	417515	L24203	Hs.82237	ataxia-telangiectasia group D-associated	6.48
	428471	X57348	Hs.184510	stratillin	6.46
	422511	AJ076442	Hs.117938	collagen, type XVII, alpha 1	6.45
65	444381	BE387335	Hs.283713	ESTs, Weakly similar to S64054 hypotheti	6.44
	401747			Homo sapiens keratin 17 (KRT17)	6.42
	421508	NM_004833	Hs.105115	absent in melanoma 2	6.42
	416768	AA363733	Hs.1032	regenerating islet-derived 1 alpha (panc	6.42
	417079	U65580	Hs.81134	interleukin 1 receptor antagonist	6.41
70	432374	W68815	Hs.301885	Homo sapiens cDNA FLJ11346 fis, clone PL	6.38
	422586	AF063611	Hs.118633	2'-5'-oligoadenylate synthetase-like	6.38
	409601	AF237621	Hs.80828	keratin 1 (epidermolytic hyperkeratosis)	6.36
	444781	NM_014400	Hs.11950	GPI-anchored metastasis-associated prote	6.35
	407811	AW190902	Hs.40098	cysteine knot superfamily 1, BMP antagon	6.33
75	425415	M13903	Hs.157091	involucrin	6.32
	431958	X53629	Hs.2877	cadherin 3, type 1, P-cadherin (placenta	6.30
	415989	AI267700		ESTs	6.23
	408673	M34996	Hs.198253	major histocompatibility complex, class	6.21
	449228	AJ403107	Hs.148550	protein related with psoriasis	6.21
80	436749	AA584890	Hs.5302	lectin, galactoside-binding, soluble, 4	6.18
	444527	NM_005408	Hs.11383	small inducible cytokine subfamily A (Cy	6.06
	418653	AK001100	Hs.41690	desmocollin 3	6.04
	428368	BE440042	Hs.83326	matrix metalloproteinase 3 (stromelysin	5.98
	414915	NM_002462	Hs.76391	myxovirus (influenza) resistance 1, homo	5.96

5	452401	NM_007115	Hs.29352	tumor necrosis factor, alpha-induced pro	5.93
	452304	AA025386	Hs.61311	ESTs, Weakly similar to S10590 cysteine	5.92
	418004	U37519	Hs.87539	aldehyde dehydrogenase 3 family, member	5.92
	424620	AA101043	Hs.151254	kallikrein 7 (chymolytic, stratum com	5.84
	425650	NM_001944	Hs.1925	desmoglein 3 (pemphigus vulgaris antigen	5.76
10	400655			NM_002425:Homo sapiens matrix metallopro	5.75
	427747	AW411425	Hs.180655	serine/threonine kinase 12	5.72
	425247	NM_005940	Hs.155324	matrix metalloproteinase 11 (stromelysin	5.72
	414004	AA737033	Hs.7155	ESTs, Moderately similar to 2115357A TYK	5.71
	422765	AW409701	Hs.1578	baculoviral IAP repeat-containing 5 (sur	5.70
15	439806	W79123	Hs.58561	G protein-coupled receptor 87	5.70
	445417	AK001058	Hs.12680	Homo sapiens cDNA FLJ10196 fls, clone HE	5.68
	433447	U29195	Hs.3281	neuronal pentraxin II	5.67
	426227	AA321649	Hs.2245	small inducible cytokine subfamily B (Cy	5.64
	408000	L11690	Hs.198689	bullous pemphigoid antigen 1 (230/240kD)	5.62
20	413219	AA878200	Hs.118727	Homo sapiens cDNA FLJ13692 fls, clone PL	5.60
	428450	NM_014791	Hs.184339	KIAA0175 gene product	5.53
	424408	AI754813	Hs.146428	collagen, type V, alpha 1	5.50
	416250	AA581388	Hs.73452	hypothetical protein MGC10791	5.48
	447164	AF026941	Hs.17518	Homo sapiens cigs mRNA, partial sequence	5.47
25	412326	R07566	Hs.73817	small inducible cytokine A3 (homologous	5.44
	439223	AW238299	Hs.250618	UL16 binding protein 2	5.44
	431629	AU077025	Hs.265827	interferon, alpha-inducible protein (clo	5.42
	402994			NM_002463*:Homo sapiens myxovirus (influ	5.40
	447333	BE090580	Hs.70704	hypothetical protein DJ61688.3	5.40
30	426891	AK001536		Homo sapiens cDNA FLJ10674 fls, clone NT	5.36
	454241	BE144666		gb:CM2-HT0176-041099-017-002 HT0178 Homo	5.33
	408716	AI567839	Hs.151714	Homo sapiens mRNA for KIAA1769 protein,	5.32
	449722	BE280074	Hs.23960	cyclin B1	5.31
	428434	AW363590	Hs.65551	Homo sapiens, Similar to DNA segment, Ch	5.30
35	426283	NM_003937	Hs.169139	lysine aminase (L-lysine hydrolase)	5.29
	418941	AA452970	Hs.239527	E1B-55kDa-associated protein 5	5.29
	417720	AA205625	Hs.208067	ESTs	5.29
	424008	R02740	Hs.137555	putative chemokine receptor, GTP-binding	5.28
	419216	AU076718	Hs.164021	small inducible cytokine subfamily B (Cy	5.27
40	431620	AA128109	Hs.264981	2'-5'-oligoadenylate synthetase 2 (69-71	5.26
	430280	AA361258	Hs.237868	interleukin 7 receptor	5.25
	422627	BE336857	Hs.118787	transforming growth factor, beta-induced	5.24
	402075			ENSP00000251056*:Plasma membrane calcium	5.24
	413763	U17760	Hs.75517	laminin, beta 3 (nicotin (125kD), kalinin	5.24
45	445537	AJ245871	Hs.12844	EGF-like-domain, multiple 6	5.22
	446619	AU076643	Hs.313	secreted phosphoprotein 1 (osteopontin,	5.22
	418558	AW082266	Hs.86131	Fas (TNFRSF6)-associated via death domain	5.21
	422440	NM_004812	Hs.116724	aldo-keto reductase family 1, member B10	5.20
	428188	M98447	Hs.22	transglutaminase 1 (K polypeptide epider	5.20
50	408663	U24583	Hs.293441	immunoglobulin heavy constant mu	5.19
	409178	BE393948	Hs.50915	kallikrein 5	5.15
	443426	AF098158	Hs.9329	chromosome 20 open reading frame 1	5.14
	410700	AA362336	Hs.65641	hypothetical protein FLJ20073	5.10
	418054	NM_002318	Hs.83354	lysyl oxidase-like 2	5.09
55	452281	T93500	Hs.28792	Homo sapiens cDNA FLJ11041 fls, clone PL	5.09
	412471	M83193	Hs.73946	endothelial cell growth factor 1 (platelet	5.08
	411274	NM_002776	Hs.69423	kallikrein 10	5.07
	407766	AA116021	Hs.38260	ubiquitin specific protease 18	5.03
	409893	AW247090	Hs.57101	minichromosome maintenance deficient (S.	5.03
60	433800	AJ034361	Hs.135150	lung type-I cell membrane-associated gly	5.02
	412755	BE144308	Hs.178891	ESTs, Weakly similar to P4HA_HUMAN PROLY	5.02
	418530	U62801	Hs.79361	kallikrein 6 (neurosin, zyma)	5.02
	429058	AF138863	Hs.35254	hypothetical protein FLB6421	5.00
	442117	AW884964	Hs.128899	ESTs; hypothetical protein for IMAGE:447	5.00
65	426711	AA363471	Hs.343800	conserved gene amplified in osteosarcoma	4.97
	405770			NM_002362:Homo sapiens melanoma antigen,	4.96
	444783	AK001488	Hs.62180	amitin (Drosophila Scars homolog), act	4.94
	420859	AW468397	Hs.100000	S100 calcium-binding protein A8 (calgran	4.94
	426866	U02330	Hs.172816	neuregulin 1	4.93
70	423017	AW178761	Hs.227948	serine (or cysteine) proteinase inhibitor	4.92
	455601	AI388880	Hs.816	SRY (sex determining region Y)-box 2	4.91
	409958	AW103364	Hs.727	inhibin, beta A (activin A, activin AB a	4.90
	427766	BE407853	Hs.256871	ESTs	4.87
	409420	Z15008	Hs.54451	laminin, gamma 2 (nicotin (100kD), kalini	4.86
75	444371	BE540274	Hs.239	forkhead box M1	4.86
	431009	BE148762	Hs.48956	gap junction protein, beta 6 (connexin 3	4.85
	434826	AF155661	Hs.22265	pyruvate dehydrogenase phosphatase	4.84
	405690	M29540	Hs.220529	carcinoembryonic antigen-related cell ad	4.83
	409402	AF208234	Hs.695	cystatin B (stefin B)	4.81
80	408202	AA227710	Hs.43658	DKFZP586L151 protein	4.79
	401994			Target Exon	4.77
	425292	NM_005824	Hs.155545	37 kDa leucine-rich repeat (LRR) protein	4.74
	421574	AJ000152	Hs.105924	defensin, beta 2	4.69
	429299	AI620463	Hs.347408	hypothetical protein MGC13102	4.69
	421109	S73265	Hs.1473	gastrin-releasing peptide	4.68
	439453	BE264974	Hs.8666	thyroid hormone receptor interactor 13	4.68
	407944	R34008	Hs.239727	desmocollin 2	4.67

5	411296	BE207307	Hs.10114	growth suppressor 1	4.65
	433364	AI075407	Hs.296083	ESTs, Moderately similar to 154374 gene	4.65
	425234	AW152225	Hs.165909	ESTs, Weakly similar to I38022 hypotheli	4.61
	421335	X99977	Hs.103505	ARS component B	4.60
	422515	AW500470	Hs.117950	multifunctional polypeptide similar to S	4.59
10	453779	N35187	Hs.43388	28kD interferon responsive protein	4.59
	423575	C18863	Hs.163443	perlestin (OSF-2os)	4.59
	417308	H60720	Hs.81892	KIAA0101 gene product	4.58
	428651	AF196478	Hs.188401	annexin A10	4.58
	424354	NM_014314	Hs.145612	RNA helicase	4.58
15	404996			Target Exon	4.56
	404240			NM_018950:Homo sapiens major histocompat	4.56
	453095	AW295660	Hs.252756	ESTs	4.55
	410407	X86839	Hs.63287	carbonic anhydrase IX	4.55
	418678	NM_001327	Hs.87225	cancer/testis antigen (NY-ESO-1)	4.55
20	450885	L15533	Hs.423	pancreatitis-associated protein	4.54
	425483	AF231022	Hs.158159	FAT tumor suppressor (Drosophila) homolog	4.53
	425397	J04086	Hs.156346	topoisomerase (DNA) II alpha (170kD)	4.52
	406380	AF123050	Hs.44532	diubiquitin	4.47
	443859	NM_013409	Hs.9914	folistatin	4.46
25	411773	NM_006799	Hs.72026	protease, serine, 21 (testisin)	4.44
	412140	AA219691	Hs.73625	RAB6 interacting, kinesin-like (rakines)	4.44
	421777	BE562088	Hs.108196	HSPC037 protein	4.44
	408908	BE296227	Hs.250822	serine/threonine kinase 15	4.43
	408122	AI432652	Hs.42824	hypothetical protein FLJ10718	4.42
30	422487	AJ010901	Hs.198267	mucin 4, tracheobronchial	4.42
	400419	AF084545		Target	4.42
	452571	W31518	Hs.34685	ESTs	4.41
	430044	AA464510	Hs.152812	ESTs	4.41
	414732	AW410876	Hs.77152	minichromosome maintenance deficient (S.	4.39
35	448111	AA053486	Hs.20315	Interferon-induced protein with tetratri	4.39
	443347	AJ052543	Hs.133244	melanoma-derived leucine zipper, extra-n	4.39
	453884	AA355925	Hs.36232	KIAA0186 gene product	4.38
	438481	AA379597	Hs.5199	HSPC150 protein similar to ubiquitin-con	4.37
	417800	BE250127	Hs.82906	CDC20 (cell division cycle 20, S. cerevi	4.37
40	424046	AF027866	Hs.138202	serine (or cysteine) proteinase inhibitor	4.37
	427983	M17706	Hs.2233	colony stimulating factor 3 (granulocyte	4.36
	448357	N20169	Hs.108923	RAB38, member RAS oncogene family	4.36
	408041	AB033025	Hs.50081	Hypothetical protein, XP_051860 (KIAA119	4.34
	439999	AA115811	Hs.6838	ras homolog gene family, member E	4.34
45	410381	BE391804	Hs.62661	guanylate binding protein 1, Interferon-	4.34
	409703	NM_006187	Hs.56009	2'-5'-oligoadenylate synthetase 3 (100 k	4.32
	402447			C1000201gij204416(gb)AA02627.1 (L0519	4.31
	426514	BE516633	Hs.170195	bone morphogenetic protein 7 (osteogenic	4.28
	432731	R31178	Hs.287820	fibronectin 1	4.27
50	422397	AJ223366	Hs.116051	Homo sapiens cDNA: FLJ22495 fis, clone H	4.27
	413670	AB000115	Hs.75470	hypothetical protein, expressed in osteo	4.25
	425580	L11144	Hs.1907	galanin	4.25
	421505	BE302796	Hs.105097	thymidine kinase 1, soluble	4.23
	409433	AA074382	Hs.135255	ESTs	4.23
55	430630	AW269920	Hs.2621	cystatin A (stefin A)	4.22
	447343	AA266641	Hs.236894	ESTs, Highly similar to S02392 alpha-2-m	4.21
	407047	X86985		gb:H.sapiens SOD-2 gene for manganese su	4.20
	432375	BE536068	Hs.2862	S100 calcium-binding protein P	4.20
	434449	AW953484	Hs.3849	hypothetical protein FLJ22041 similar to	4.19
60	417866	AW067903	Hs.82772	collagen, type XI, alpha 1	4.19
	436291	BE588452	Hs.344037	protein regulator of cytokinesis 1	4.18
	418140	BE613836	Hs.83551	microfibrillar-associated protein 2	4.17
	410286	AJ739158	Hs.61898	DKFZP686N2124 protein	4.16
	448844	AJ581519	Hs.177164	ESTs	4.16
65	432680	T47364	Hs.278613	Interferon, alpha-inducible protein 27	4.16
	417599	AA204688	Hs.62954	ESTs	4.16
	402892			Target Exon	4.15
	429500	X78565	Hs.289114	hexabrachion (tenascin C, cytotoxic)	4.14
	422100	AI096988	Hs.111554	ADP-ribosylation factor-like 7	4.13
70	408512	AW979187	Hs.293591	melanoma differentiation associated prot	4.12
	446865	AL038704	Hs.156827	ESTs, Weakly similar to ALU1_HUMAN ALU S	4.11
	407137	T97307		gb:ye53h05.s1 Soares fetal liver spleen	4.10
	411263	BE297802	Hs.69360	kinesin-like 6 (mitotic centromere-assoc	4.10
	438979	AW600291	Hs.6823	hypothetical protein FLJ10430	4.10
75	423905	AW579960	Hs.135150	lung type-1 cell membrane-associated gly	4.09
	427337	Z48223	Hs.176683	Fc fragment of IgG, low affinity IIb, r	4.08
	417933	X02308	Hs.82962	thymidine synthetase	4.08
	418689	AI360883	Hs.274448	hypothetical protein FLJ11029	4.06
	417678	X06560	Hs.82398	2',5'-oligoadenylate synthetase 1 (40-46	4.06
80	451541	BE279383	Hs.28557	plakophilin 3	4.06
	433848	AF095719	Hs.93764	carboxypeptidase A4	4.05
	418113	AI272141	Hs.83484	SRV (sex determining region Y)-box 4	4.04
	429599	AA808106	Hs.123664	ESTs	4.03
	450823	T81223	Hs.22011	complement-c3 tumor necrosis factor-rel	4.02
	423787	AJ295745	Hs.236204	nuclear pore complex protein	4.00
	431250	BE264649	Hs.251377	taxol resistance associated gene 3	4.00
	416091	AF295370	Hs.283082	defensin, beta 3	3.97

5	401464	6682291	Minus	170688-170834
	403969	8569909	Plus	31237-31375,32405-32606
	401837	7630990	Minus	120993-121095,121660-121729
	404068	3168621	Minus	18123-18766
	403137	9211494	Minus	92349-92572,92958-93084,93579-93712,9394
10	402679	8113438	Plus	132079-132216
	403780	8076989	Plus	93180-93409
	404071	7210053	Minus	167354-167859,168810-168920,169000-16910
	403242	7637817	Minus	11297-12511
	402260	3399665	Minus	113765-113910,115653-115765,116808-11694
15	400587	9887626	Plus	25435-25688,25668-25747
	405770	2735037	Plus	61057-62075
	403532	8076842	Minus	81750-81901
	406137	9166422	Minus	30457-31058
	402677	8113438	Plus	22135-22309,23063-23238
	402678	8113438	Plus	37395-37514,37866-37981

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TABLE 52A:

Pkey: Unique Eos probeset identifier number

ExAccn: Exemplar Accession number, Genbank accession number

UnigeneID: Unigene number

Unigene Title: Unigene gene title

R1: Ratio of testicular cancer (non-seminomatous and Seminomatous) compared to normal adult testicular tissues

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	Pkey	ExAccn	UnigeneID	Unigene Title	R1
30	414438	AI878277	Hs.76136	thioredoxin	61.77
	424247	X14008	Hs.234734	lysozyme (renal amyloidosis)	49.93
	416880	AW245540	Hs.79516	brain abundant, membrane attached signal	49.20
	412946	BE243313	Hs.334851	LIM and SH3 protein 1	44.46
	438091	AW373062		nuclear receptor subfamily 1, group I, m	40.70
35	406658	AI920965	Hs.77951	major histocompatibility complex, class	39.64
	418174	L20588	Hs.83656	Rho GDP dissociation inhibitor (GDI) bet	38.70
	409039	T97499	Hs.50002	small inducible cytokine subfamily A (Cy	38.25
	413063	AL035737	Hs.75184	chitinase 3-like 1 (cartilage glycoprote	37.50
	430542	AI557486	Hs.119122	ribosomal protein L13a	37.22
40	428928	BE409838	Hs.194657	cadherin 1, type 1, E-cadherin (epitheli	35.98
	432730	AI086520	Hs.131358	ESTs	35.26
	444562	AA185715	Hs.336429	RIKEN cDNA 9130422N19 gene	31.69
	446525	AW967069	Hs.211566	hypothetical protein MGC5487	31.33
	417088	M54915	Hs.81170	pim-1 oncogene	31.20
45	416870	AF147204	Hs.89414	chemokine (C-X-C motif), receptor 4 (fus	29.93
	433800	AI034361	Hs.135150	lung type-I cell membrane-associated gly	29.35
	426295	AW367283		zinc finger protein 6 (CMPX1)	29.32
	406856	AW515336	Hs.29797	ribosomal protein L10	28.93
	417139	M69043	Hs.81328	nuclear factor of kappa light polypeptid	27.99
50	440207	AI371978	Hs.128328	ESTs	27.75
	422578	AF239666	Hs.1545	caudal type homeo box transcription fact	26.95
	432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fis, clone HE	26.90
	420367	AA259090	Hs.257028	ESTs	26.50
	429978	AA249027		ribosomal protein S6	26.43
55	440440	Z28925	Hs.7188	sema domain, immunoglobulin domain (Ig),	26.38
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	26.23
	412636	NM_004415		desmoplakin (DPI, DPII)	26.15
	435538	AB011540	Hs.4930	low density lipoprotein receptor-related	25.25
	446899	NM_005397	Hs.16426	podocalyxin-like	25.25
60	442562	BE378584		dolichyl-diphosphooligosaccharide-prote	25.15
	406656	M16714	Hs.89643	major histocompatibility complex, class	25.13
	446619	AU076543	Hs.313	secreted phosphoprotein 1 (osteopontin,	24.78
	423951	D13866	Hs.136348	periostin (OSF-2os)	24.48
	425543	R23313	Hs.334895	ribosomal protein L10a	24.38
65	420676	AI434780	Hs.4248	vav 2 oncogene	24.18
	406820	AI223968	Hs.108124	ribosomal protein S4, X-linked	23.96
	440859	NM_014297	Hs.7486	protein expressed in thyroid	23.80
	447526	AL048753	Hs.303649	small inducible cytokine A2 (monocyte ch	23.56
	414587	NM_004882	Hs.76507	LPS-induced TNF-alpha factor	23.22
70	446527	AI973018	Hs.15725	hypothetical protein SBB148	22.93
	449571	AW016812	Hs.200266	ESTs	22.83
	413787	AI352558		tyrosine 3-monooxygenase/tryptophan 5-mo	22.81
	410315	AI638871	Hs.17625	Homo sapiens cDNA: FLJ22524 fis, clone H	22.68
	414092	Z14244	Hs.75752	cytochrome c oxidase subunit VIIb	22.45
75	422714	AB018335	Hs.119387	KIAA0792 gene product	22.45
	439180	AI393742	Hs.199057	v-erb-b2 avian erythroblastic leukemia v	22.30
	444784	D12485	Hs.11951	ectonucleotide pyrophosphatase/phosphodi	21.69
	406648	AA563730	Hs.277477	major histocompatibility complex, class	21.58
	448588	AJ970276	Hs.156905	KIAA1676	21.23
80	433423	BE407127	Hs.8997	heat shock 70kD protein 1A	21.19
	429490	AJ971131	Hs.23889	ESTs, Weakly similar to ALU7_HUMAN ALU S	20.70
	432606	NM_002104	Hs.3086	granzyme K (serine protease, granzyme 3;	20.60
	407862	BE546267	Hs.337986	Homo sapiens cDNA FLJ10934 fis, clone OV	20.57

5	433001	AF217513	Hs.279505	clone HQ0310 PRO0310p1	3.60
	430994	AA490346	Hs.40530	Homo sapiens, clone MGC:17624, mRNA, com	3.60
	456534	X91195	Hs.100623	phospholipase C, beta 3, neighbor pseudo	3.59
	437340	AL353935	Hs.135917	hypothetical protein DKFZp761D1823	3.59
	435793	AB037734	Hs.4993	KIAA1313 protein	3.59
10	437016	AU076916	Hs.5398	guanine monophosphate synthetase	3.59
	420247	AA256830	Hs.44680	hypothetical protein FLJ20979	3.58
	424308	AW975531	Hs.154443	minichromosome maintenance deficient (S.	3.57
	422282	AF019225	Hs.114309	apolipoprotein L	3.57
	424635	AA420687	Hs.115455	Homo sapiens cDNA FLJ14259 fis, clone PL	3.57
15	421044	AF061871	Hs.101302	Human DNA sequence from clone RP1-238D15	3.57
	408015	AW136771	Hs.244349	epidermal differentiation complex protei	3.56
	422956	BE545072	Hs.122579	ECT2 protein (Epithelial cell transform	3.56
	449039	AJ862602	Hs.74284	hypothetical protein MGC2714	3.56
	446269	AW263155	Hs.14569	hypothetical protein FLJ10540	3.56
20	400297	AI127078	Hs.306201	hypothetical protein DKFZp664O1278	3.55
	428977	AK001404	Hs.194698	cyclin B2	3.55
	402995			NM_002463*:Homo sapiens myxovirus (Infl	3.55
	416065	BE267931	Hs.78996	proliferating cell nuclear antigen	3.54
	432917	NM_014126	Hs.241517	PRO0327 protein	3.54
25	439750	AL359053	Hs.57664	Homo sapiens mRNA full length insert cDN	3.53
	445411	AL137255	Hs.12646	hypothetical protein FLJ22693	3.52
	438113	AJ487908	Hs.8882	ESTs	3.52
	414420	AA043424	Hs.76085	immediate early response 3	3.51
	419682	H13139	Hs.92282	paired-like homeodomain transcription fa	3.50
30	447208	BE315291	Hs.237971	hypothetical protein MGC5627	3.50
	432543	AA552690	Hs.152423	Homo sapiens cDNA: FLJ21274 fis, clone C	3.49
	442295	AJ827248	Hs.224398	Homo sapiens cDNA FLJ11469 fis, clone HE	3.49
	426440	BE382756	Hs.169902	solute carrier family 2 (facilitated glu	3.49
	429249	X81479	Hs.2375	egf-like module containing, mucin-like,	3.48
35	413900	AW409747	Hs.75612	stress-induced-phosphoprotein 1 (Hsp70/H	3.48
	424242	AA337476	Hs.347408	hypothetical protein MGC13102	3.48
	414781	AU077228	Hs.77256	enhancer of zeste (Drosophila) homolog 2	3.47
	448480	NM_014578	Hs.15114	ras homolog gene family, member	3.46
	414825	X05370	Hs.77432	epidermal growth factor receptor (avian	3.46
40	428865	BE544085	Hs.164960	BarH-like homeobox 1	3.46
	449003	X76342	Hs.389	alcohol dehydrogenase 7 (class IV), mu o	3.46
	405006	NM_004460		fibroblast activation protein, alpha	3.46
	421307	BE539978	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (f	3.45
	422938	NM_001809	Hs.1594	centromere protein A (17kD)	3.45
45	405645			Target Exon	3.45
	418322	AA284188	Hs.84113	cyclin-dependent kinase inhibitor 3 (CDK	3.44
	441703	AW390054	Hs.192843	leucine zipper protein FKSG14	3.44
	417944	AU077196	Hs.82985	collagen, type V, alpha 2	3.44
	417824	AU077231	Hs.82932	cyclin D1 (PRAD1; parathyroid adenomas	3.44
50	431228	AB006746	Hs.198282	phospholipid scramblase 1	3.44
	422363	T56979	Hs.115474	replication factor C (activator 1) 3 (38	3.43
	440502	AJ824113	Hs.78281	regulator of G-protein signalling 12	3.43
	448741	BE614587	Hs.19574	hypothetical protein MGC5469	3.43
	453922	AF053306	Hs.36708	budding uninhibited by benzimidazoles 1	3.43
55	408646	M33600	Hs.308026	major histocompatibility complex, class	3.42
	413281	AA861271	Hs.222024	transcription factor BMAL2	3.42
	449101	AA205687	Hs.23016	G protein-coupled receptor	3.42
	430890	X54232	Hs.2699	glypican 1	3.41
	422809	AK001379	Hs.121028	hypothetical protein FLJ10549	3.41
60	412429	AV650262	Hs.75765	GRQ2 oncogene	3.41
	443211	AI28388	Hs.143855	ESTs	3.41
	422209	AF005210	Hs.113222	chemokine (C-C motif) receptor 8	3.40
	428303	AW974476	Hs.183601	regulator of G-protein signalling 16	3.39
	421817	AF145074	Hs.108860	ATP-binding cassette, sub-family C (CFTR	3.39
65	428664	AK001668	Hs.188095	similar to SALL1 (sal (Drosophila)-like	3.39
	422101	AW404176	Hs.111611	ribosomal protein L27	3.39
	457670	AF119686	Hs.23449	insulin receptor tyrosine kinase substra	3.38
	437033	AW248964	Hs.5409	RNA polymerase I subunit	3.37
	425322	U63630	Hs.155637	protein kinase, DNA-activated, catalytic	3.37
70	417059	AL037672	Hs.81071	extracellular matrix protein 1	3.37
	400298	AA032279	Hs.81635	sbx transmembrane epithelial antigen of	3.36
	414812	X72755	Hs.77367	monokine induced by gamma interferon	3.36
	436748	BE158107	Hs.159263	collagen, type VI, alpha 2	3.36
	401797			Target Exon	3.36
75	428309	M97815	Hs.183650	cellular retinoic acid-binding protein 2	3.35
	421563	NM_006433	Hs.105806	granulysin	3.35
	402294			Target Exon	3.34
	414024	AA134712	Hs.22410	gb:zm78g08.r1 Stratagene neuroepithelium	3.34
	401981			NM_021626:Homo sapiens serine carboxypep	3.33
80	418482	BE001596	Hs.85266	integrin, beta 4	3.33
	418657	D31771	Hs.89404	msh (Drosophila) homeo box homolog 2	3.33
	424800	AL035588	Hs.153203	MyoD family inhibitor	3.33
	412420	AL035668	Hs.73853	bone morphogenetic protein 2	3.33
	404440			NM_021048:Homo sapiens melanoma antigen,	3.33
	432398	AA307808	Hs.2979	trefoil factor 2 (spasmodic protein 1)	3.33
	421677	H64082	Hs.38282	ESTs	3.33
	407792	AJ077715	Hs.39384	putative secreted ligand homologous to f	3.32

5	449048	Z45051	Hs.22920	similar to S6B401 (cattle) glucose induc	3.32
	417197	AW994561	Hs.151777	eukaryotic translation initiation factor	3.32
	429669	BE185499	Hs.2471	KIAA0020 gene product	3.32
	409636	AA305729	Hs.18272	amino acid transporter system A1	3.32
	429415	NM_002583	Hs.202097	procollagen C-endopeptidase enhancer	3.32
10	405386			Target Exon	3.32
	410274	AA381807	Hs.61762	hypoxia-inducible protein 2	3.31
	448275	BE514434	Hs.20830	kinesin-like 2	3.31
	418245	AA088767	Hs.83883	transmembrane, prostate androgen induced	3.31
	452281	AF015592	Hs.28853	CDC7 (cell division cycle 7, S. cerevisi	3.31
15	431830	Y16645	Hs.271387	small inducible cytokine subfamily A (Cy	3.31
	422676	AK000546	Hs.118552	hypothetical protein FLJ20539	3.31
	404171			NM_000636: Homo sapiens superoxide dismu	3.31
	418464	R87680	Hs.144531	gbym89h07.r1 Soares adult brain N2b4HB5	3.31
	425566	AW162943	Hs.250618	UL16 binding protein 2	3.31
20	410226	AI831958	Hs.61053	hypothetical protein	3.30
	432281	AK001239	Hs.274263	hypothetical protein FLJ10377	3.30
	443247	BE614387	Hs.333893	c-Myc target JPO1	3.30
	449717	AB040935	Hs.23954	cerebral cell adhesion molecule	3.30
	428336	AA503115	Hs.183752	microseminoprotein, beta-	3.29
25	416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A (	3.29
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fls, clone HE	3.28
	432336	NM_002759	Hs.274382	protein kinase, interferon-inducible dou	3.28
	405778			NM_005361: Homo sapiens melanoma antigen,	3.28
	419488	AA316241	Hs.90891	nucleophosmin/nucleoplasm 3	3.27
30	421150	AI913562	Hs.189902	ESTs	3.27
	406400			kallikrein 8 (neurosinovasin) (KLK8)	3.27
	455813	BE141577		gb:CV2-HT0083-071299-018-at11 HT0083 Homo	3.27
	426064	BE387014	Hs.168146	Home, neuronal immediate early gene, 3	3.27
	458814	AI498957	Hs.170861	ESTs, Weakly similar to Z195_HUMAN ZINC	3.27
35	458791	BE615453	Hs.346509	dedicator of cyto-kinesis 1	3.27
	419551	AW582256	Hs.91011	anterior gradient 2 (Xenopus laevis) hom	3.26
	429002	AW248439	Hs.2340	junction plakoglobin	3.26
	450000	AI952797	Hs.10888	hypothetical protein FLJ21709	3.25
	407777	AA161071	Hs.71465	squalene epoxidase	3.25
40	419485	AA489023	Hs.99807	ESTs, Weakly similar to unnamed protein	3.25
	426437	BE076537	Hs.168995	ubiquitin-conjugating enzyme E2L 6	3.24
	415701	NM_003878	Hs.78619	gamma-glutamyl hydrolase (conjugase, fol	3.24
	412817	AL037159	Hs.74619	proteasome (prosome, macropain) 26S subu	3.24
	447519	U46258	Hs.339665	ESTs	3.24
45	412561	NM_002286	Hs.74011	lymphocyte-activation gene 3	3.24
	446628	AU076640	Hs.15243	nucleolar protein 1 (120kD)	3.24
	423188	MB1933	Hs.1634	cell division cycle 25A	3.23
	415091	AL044872	Hs.77810	3-hydroxy-3-methylglutaryl-Coenzyme A sy	3.23
	441085	AW136551	Hs.181245	Homo sapiens cDNA FLJ12532 fls, clone NT	3.22
50	443071	AL080021	Hs.8966	complement component 1, q subcomponent,	3.22
	408904	AK001330	Hs.48665	hypothetical protein FLJ10468	3.22
	425849	AJ000512	Hs.296323	serumglucocorticoid regulated kinase	3.22
	410275	U85658	Hs.61796	transcription factor AP-2 gamma (activat	3.22
	415617	U88967	Hs.78867	protein tyrosine phosphatase, receptor-t	3.21
55	409197	N54706	Hs.303025	chromosome 11 open reading frame 24	3.21
	412641	M16660	Hs.74335	heat shock 90kD protein 1, beta	3.21
	413436	AF238083	Hs.68061	sphingosine kinase 1	3.21
	408636	BE294925	Hs.46680	CGI-12 protein	3.21
	412115	AK001763	Hs.73239	hypothetical protein FLJ10901	3.21
60	413142	M81740	Hs.75212	ornithine decarboxylase 1	3.21
	411573	AB029000	Hs.70823	KIAA1077 protein	3.20
	428242	H55709	Hs.2250	leukemia inhibitory factor (cholinergic	3.19
	409361	NM_005982	Hs.54416	sine oculis homeobox (Drosophila) homolo	3.19
	436014	BE560808	Hs.10026	mitochondrial ribosomal protein L17	3.18
65	401176			Target Exon	3.18
	434551	BE387162	Hs.280858	ESTs, Highly similar to A35661 DNA excis	3.17
	410310	J02931	Hs.62192	coagulation factor III (thromboplastin,	3.16
	427584	BE410293	Hs.179718	v-myb avian myeloblastosis viral oncogen	3.16
	423726	AJ403108	Hs.132127	hypothetical protein LOC57822	3.16
70	452012	AA307703	Hs.279766	kinesin family member 4A	3.16
	407289	AA135169	Hs.203349	Homo sapiens cDNA FLJ12149 fls, clone MA	3.15
	409461	AA382169	Hs.54463	N-myc (and STAT) interactor	3.15
	433020	AI375726	Hs.279818	hypothetical protein	3.14
	437915	AI637993	Hs.202312	Homo sapiens clone N11 Ntera2D1 teratoca	3.14
75	426997	BE620738	Hs.173125	peptidylprolyl isomerase F (cyclophilin	3.14
	420005	AW271106	Hs.133294	ESTs	3.14
	426935	NM_000088	Hs.172928	collagen, type I, alpha 1	3.13
	412270	AC005262	Hs.73797	guanine nucleotide binding protein (G pr	3.13
	421975	AW981017	Hs.6459	hypothetical protein FLJ11856	3.13
80	427685	D31152	Hs.179729	collagen, type X, alpha 1 (Schmid metaph	3.12
	448140	AF146761	Hs.20450	BCM-like membrane protein precursor	3.11
	431722	AF161528	Hs.268049	hypothetical protein	3.11
	427239	BE270447	Hs.174070	ubiquitin carrier protein	3.11
	413385	M34455	Hs.840	Indoleamine-pyrrole 2,3 dioxygenase	3.10
	439780	AL109688		gb: Homo sapiens mRNA full length insert	3.10
	422885	BE244068	Hs.121544	interleukin 12 receptor, beta 1	3.10
	418090	U57059	Hs.83429	tumor necrosis factor (ligand) superfamily	3.10

	439755	AW74B482	Hs.77873	B7 homolog 3	3.10
	404170			NM_000636*:Homo sapiens superoxide dismutase	3.09
	417370	T28651	Hs.82030	tryptophanyl-tRNA synthetase	3.09
5	410006	AW732308	Hs.57783	eukaryotic translation initiation factor	3.09
	446291	BE397753	Hs.14623	interferon, gamma-inducible protein 30	3.08
	421155	H37879	Hs.102267	lysyl oxidase	3.08
	441224	AU076964	Hs.7753	calumenin	3.08
	424328	NM_014479	Hs.145296	disintegrin protease	3.08
10	428413	NM_014058	Hs.201877	DESC1 protein	3.08
	436251	BE515065	Hs.286585	nucleolar protein (KKE/D repeat)	3.08
	446510	H58306	Hs.15165	retinoic acid induced 14	3.08
	442820	C00138	Hs.8535	Homo sapiens mRNA for KIAA1668 protein,	3.07
	409637	AA323948	Hs.55407	Homo sapiens mRNA; cDNA DKFZp434K0621 (	3.07
15	426682	AV660038	Hs.2056	UDP glycosyltransferase 1 family, polypeptide	3.07
	448853	NM_012204	Hs.22302	general transcription factor IIC, polypeptide	3.07
	453775	NM_002916	Hs.35120	replication factor C (activator 1) 4 (37	3.07
	408916	NM_016851	Hs.48950	hepaticellular carcinoma novel gene-3 protein	3.06
	435505	AF200492	Hs.211238	interleukin-1 homolog 1	3.06
20	412577	Z22988	Hs.74076	CD163 antigen	3.06
	410575	BE207480	Hs.6994	Homo sapiens cDNA: FLJ22044 fis, clone H	3.06
	416084	L16891	Hs.79006	deoxythymidylate kinase (thymidylate kinase)	3.05
	430393	BE185030	Hs.241305	estrogen-responsive B box protein	3.05
	447342	AI199288	Hs.19322	Homo sapiens, Similar to RIKEN cDNA 2010	3.04
25	451578	NM_016323	Hs.26663	cyclin-E binding protein 1	3.04
	444726	NM_006147	Hs.84981	interferon regulatory factor 6	3.04
	447733	AF157482	Hs.19400	MAD2 (mitotic arrest deficient, yeast, like)	3.04
	437741	BE561610	Hs.5809	putative transmembrane protein; homolog	3.04
	442643	U82756	Hs.3991	PRP4/STK40 splicing factor	3.04
30	429368	AB037825	Hs.200317	KIAA1404 protein	3.03
	410068	AI633888	Hs.58435	FYN-binding protein (FYB-120/130)	3.03
	426746	J03626	Hs.2057	uridine monophosphate synthetase (prokaryotic)	3.03
	409154	U72882	Hs.50842	interferon-induced protein 35	3.02
	442173	N76101	Hs.8127	KIAA0144 gene product	3.02
	447400	AK000322	Hs.18457	hypothetical protein FLJ20315	3.01
35	450962	BE536647	Hs.26723	Sjogren's syndrome/scleroderma autoantigen	3.01
	407634	AW016689	Hs.136414	UDP-GlcNAc:beta-Gal beta-1,3-N-acetylglucosaminyl	3.01
	411387	AW842339	Hs.130815	hypothetical protein FLJ21870	3.01
	436662	AA223599	Hs.6351	cleavage and polyadenylation specific factor	3.01
40	459107	AA811881	Hs.28505	ubiquitin-conjugating enzyme E2H (homologous to)	3.00
	430267	AW182459	Hs.125759	ESTs, Weakly similar to LEU5_HUMAN LEUKE	3.00
	416110	Z42262	Hs.322844	hypothetical protein DKFZp564A176	3.00
	435523	T62849	Hs.11090	membrane-spanning 4-domains, subfamily A	3.00
	448569	BE382657	Hs.21486	signal transducer and activator of transcription	3.00
45	410268	AA316181	Hs.61635	six transmembrane epithelial antigen of	3.00
	400200			NM_002788*:Homo sapiens proteasome (prosome)	3.00
	403330			Target Exon	2.99
	413833	Z15005	Hs.75573	centromere protein E (312kD)	2.99
	403416	AI744626		KIAA0564 protein	2.97
50	403438			NM_031419*:Homo sapiens molecule possess	2.96
	447942	F12628	Hs.155470	hypothetical protein MGC16040	2.96
	427722	AK000123	Hs.180479	hypothetical protein FLJ20116	2.96
	414806	D14694	Hs.77329	phosphatidylserine synthase 1	2.94
	440088	NM_005402	Hs.288757	viral simian leukemia virus oncogene homolog	2.94
55	429547	AWC08166	Hs.99376	ESTs	2.93
	419121	AA374372	Hs.89626	parathyroid hormone-like hormone	2.90
	431890	X17033	Hs.271986	integrin, alpha 2 (CD49B, alpha 2 subunit)	2.89
	417259	AW903838	Hs.81800	chondroitin sulfate proteoglycan 2 (versican)	2.89
	418203	X54942	Hs.83758	CDC28 protein kinase 2	2.86
60	441633	AW858544	Hs.112242	normal mucosa of esophagus specific 1	2.86
	423425	AA375756	Hs.14449	KIAA1509 protein	2.86
	412851	AI626502	Hs.106149	ESTs	2.86
	400684			NM_002425:Homo sapiens matrix metalloproteinase	2.86
	454140	AB040888	Hs.41793	hypothetical protein FLJ10474	2.85
65	435602	AF217516	Hs.283532	uncharacterized bone marrow protein BM03	2.85
	421116	T19132	Hs.101850	retinol-binding protein 1, cellular	2.84
	432343	NM_002980	Hs.2961	S100 calcium-binding protein A3	2.83
	423767	H18283	Hs.132753	F-box only protein 2	2.82
	413476	U25849	Hs.75393	acid phosphatase 1, soluble	2.82
70	441801	AW242799	Hs.86366	ESTs	2.80
	441565	AW953575	Hs.303125	p53-induced protein PIGPC1	2.80
	416639	Y07909	Hs.79368	epithelial membrane protein 1	2.79
	428959	AF100779	Hs.194680	WNT1 inducible signaling pathway protein	2.79
	422947	AA306782	Hs.122552	G-2 and S-phase expressed 1	2.75
75	417849	AW291687	Hs.82733	nidogen 2	2.74
	450434	AA166960	Hs.195870	hypothetical protein FLJ14991	2.73
	430466	AF052573	Hs.241517	polymerase (DNA directed), theta	2.72
	431448	AL137517	Hs.306201	hypothetical protein DKFZp564O1278	2.71
	424874	AA347951	Hs.328413	Homo sapiens cDNA FLJ20812 fis, clone AD	2.71
80	453633	AA357001	Hs.34045	hypothetical protein FLJ20784	2.71
	447854	AW138454	Hs.11594	ESTs	2.71
	427581	NM_014788	Hs.178703	KIAA0129 gene product	2.70
	412636	NM_004415		desmoplakin (DPI, DPIP)	2.69
	420576	AA297634	Hs.54925	KIAA1858 protein	2.68

5	442932	AA457211	Hs.8858	bromodomain adjacent to zinc finger domain	2.68
	425071	NM_013889	Hs.154424	deiodinase, iodothyronine, type II	2.68
	410491	AA465131	Hs.64001	Homo sapiens clone 25218 mRNA sequence	2.66
	428698	AA852773	Hs.334838	KIAA1866 protein	2.64
	451277	AK001123	Hs.261176	hypothetical protein FLJ10261	2.64
10	447347	AA570056	Hs.122730	ESTs, Moderately similar to KIAA1215 protein	2.64
	429505	AW820035	Hs.278679	a disintegrin and metalloproteinase domain	2.63
	406137			NM_000179: Homo sapiens mulS (E. coli) h	2.63
	419584	AA013051	Hs.91417	topoisomerase (DNA) II binding protein	2.62
	443054	A1745185	Hs.8939	yes-associated protein 65 kDa	2.59
15	452620	AA436504	Hs.118286	ESTs	2.59
	420552	AK000482	Hs.98806	hypothetical protein	2.59
	420931	AF044197	Hs.100431	small inducible cytokine B subfamily (Cy	2.58
	434517	AA635690	Hs.337251	hypothetical protein MGC2487	2.58
	448454	NM_005879	Hs.21254	TRAF Interacting protein	2.55
20	425776	U25128	Hs.159499	parathyroid hormone receptor 2	2.55
	436238	AK002163	Hs.301724	hypothetical protein FLJ11301	2.54
	440576	NM_004987	Hs.112378	LIM and senescent cell antigen-like domain	2.54
	425811	AL039104	Hs.159557	karyopherin alpha 2 (RAG cohort 1, Importin	2.54
	429113	D28235	Hs.198384	prostaglandin-endoperoxide synthase 2 (p	2.53
25	407804	AF228603	Hs.39957	pleckstrin 2 (mouse) homolog	2.53
	452679	Z42387	Hs.83883	transmembrane, prostate androgen induced	2.51
	411908	L27943	Hs.72924	cytidine deaminase	2.49
	449230	BE613348	Hs.211579	melanoma cell adhesion molecule	2.48
	430024	A1808780	Hs.227730	integrin, alpha 6	2.47
30	458079	A1796870	Hs.54277	DNA segment on chromosome X (unique) 992	2.46
	425345	AL077297	Hs.155894	protein tyrosine phosphatase, non-receptor	2.45
	423881	AK001720	Hs.134403	hypothetical protein FLJ10858	2.45
	407853	AA336797	Hs.40499	diclkopt (Xenopus laevis) homolog 1	2.45
	457819	AA057484	Hs.35406	ESTs, Highly similar to unnamed protein	2.44
35	408296	AL117452	Hs.44155	DKFZP586G1517 protein	2.42
	413048	M83221	Hs.75182	mannose receptor, C type 1	2.40
	403851			C5002154: g17299015[gb]AAF54217.1 [AE0	2.39
	433745	AF075320	Hs.28980	hypothetical protein FLJ14540	2.37
	423903	M57765	Hs.1721	Interleukin 11	2.37
40	427700	AA262294	Hs.180383	dual specificity phosphatase 6	2.36
	419373	NM_003244	Hs.90077	TG-interacting factor (TALE family homeo	2.32
	426827	AW067805	Hs.172665	methyltetrahydrofolate dehydrogenase	2.31
	440282	BE262386	Hs.7137	clones 23657 and 23775 zinc finger prote	2.31
	406974	M57293		gb:Human parathyroid hormone-related pep	2.31
45	401924			ENSP00000246632: cDNA FLJ20261 fic, clone	2.30
	444190	A1878918	Hs.10526	cysteine and glycine-rich protein 2	2.29
	420923	AF097021	Hs.273321	differentially expressed in hematopoietic	2.29
	436608	AA828980		down syndrome critical region protein DS	2.28
	427609	M82505	Hs.2161	complement component 5 receptor 1 (C5a I	2.27
50	434398	AA121098	Hs.3838	serum-inducible kinase	2.27
	419490	NM_006144	Hs.90708	granzyme A (granzyme 1, cytotoxic T-lymp	2.26
	418030	BE207573	Hs.83321	neuromedin B	2.25
	404927			Target Exon	2.25
	438549	BE386801	Hs.21858	trinucleotide repeat containing 3	2.24
55	409038	T97480	Hs.50002	small inducible cytokine subfamily A (Cy	2.23
	411388	X72925	Hs.69752	desmocollin 1	2.21
	445757	AW449065	Hs.13264	KIAA0856 protein	2.18
	405069			NM_008212: Homo sapiens 6-phosphofructo-	2.17
	414036	Y00630	Hs.75716	serine (or cysteine) proteinase inhibitor	2.16
60	443168	A1038653	Hs.50500	ESTs	2.15
	444301	AK000136	Hs.10760	asporin (LRR class 1)	2.13
	433345	A1681545	Hs.152982	hypothetical protein FLJ13117	2.11
	426471	M22440	Hs.170009	transforming growth factor, alpha	2.10
	445019	A1205540	Hs.281295	ESTs	2.08
65	402021			NM_031891: Homo sapiens cadherin 20, type	2.07
	431866	NM_012098	Hs.8025	angiotensin-like 2	2.05
	454219	X75042	Hs.44313	v-rel avian reticuloendotheliosis viral	2.04
	409571	AA504249	Hs.187585	ESTs	2.03
	450831	R37974	Hs.26255	ESTs	1.99
70	408353	BE439838	Hs.44298	mitochondrial ribosomal protein 817	1.99
	445980	A1268398	Hs.140489	ESTs, Weakly similar to LIN1_HUMAN LINE-	1.98
	446356	AL120837	Hs.20993	high-glucose-regulated protein 8	1.97
	429732	U20158	Hs.2488	lymphocyte cytosolic protein 2 (SH2 doma	1.91
	426850	BE247870	Hs.172768	MAP/microtubule affinity-regulating kina	1.90
75	427335	AA448542	Hs.251677	G antigen 7B	1.90
	450649	NM_001429	Hs.25272	E1A binding protein p300	1.88
	418460	M26315	Hs.85258	CD8 antigen, alpha polypeptide (p32)	1.88
	448523	NM_000579	Hs.54443	chemokine (C-C motif) receptor 5	1.88
	415975	NM_004131	Hs.1051	granzyme B (granzyme 2, cytotoxic T-lymp	1.86
80	433226	AW503733	Hs.9414	KIAA1488 protein	1.86
	413129	AF292100	Hs.104613	RP42 homolog	1.85
	432606	NM_002104	Hs.3066	granzyme K (serine protease, granzyme 3;	1.85
	446620	AA128808	Hs.179502	transporter-like protein	1.81
	449008	AW578003	Hs.22826	tropomodulin 3 (ubiquitous)	1.79
	433160	AW207002	Hs.134342	TASP for testis-specific adriamycin sens	1.78
	420802	U22376	Hs.1334	v-myb avian myeloblastosis viral oncogen	1.77
	423462	BE280172	Hs.129228	galactokinase 2	1.77

434370	AF130988	Hs.58346	ectodysplasin 1, anhidrotic receptor	1.76
419125	AA642452	Hs.130881	B-cell CLL/lymphoma 11A (zinc finger pro	1.75
425545	N98529	Hs.158295	Homo sapiens, clone MGC:12401, mRNA, com	1.74
405102			C15001220:gij4469558[gblAAD21311.1] (AF	1.74
433201	AB040895	Hs.21104	KIAA1463 protein	1.73
420798	W93774	Hs.99936	keratin 10 (epidermolytic hyperkeratosis	1.65
437860	AA333063	Hs.279898	Homo sapiens cDNA: FLJ23165 fis, clone L	1.62
414961	U27266	Hs.927	myosin-binding protein H	1.61
428405	Y00762	Hs.2268	cholesterol receptor, nicotinic, alpha p	1.61
422170	AI791949	Hs.112432	anti-Mullerian hormone	1.61
431846	BE019924	Hs.271580	uroplekin 1B	1.58
404468			C3000442:gij11120696[reflNP_068518.1] c	1.57
405779			NM_005367:Homo sapiens melanoma antigen,	1.55
441129	AA074904	Hs.296420	ESTs, Weakly similar to T18651 hypothet	1.55
427244	AA402400	Hs.178045	ESTs	1.52
411411	AA345241	Hs.55950	ESTs, Weakly similar to KIAA1330 protein	1.52
417777	AI823763	Hs.7055	ESTs, Weakly similar to I7885 serine/th	1.51
416367	AA326035	Hs.59236	hypothetical protein DKFZp434L0718	1.51
404340	AW895503	Hs.125276	ESTs	1.48
437162	AW005505	Hs.5464	thyroid hormone receptor coactivating pr	1.47
424750	D29556	Hs.152818	ubiquitin specific protease B	1.46
429469	W64590	Hs.27	glycine dehydrogenase (decarboxylating;	1.44
406374			C16001364:gij11067373[reflNP_057689.1] C	1.43
430606	BE266026	Hs.31476	Homo sapiens cDNA FLJ13872 fis, clone TH	1.40
404405			Target Exon	1.39
401258			NM_030932*:Homo sapiens diaphanous (Dros	1.38
433323	AA805132	Hs.169142	ESTs	1.36
427441	AA412605	Hs.343879	SPANX family, member C	1.33
444707	AI188613	Hs.41690	desmocollin 3	1.31
409103	AF251237	Hs.112208	XAGE-1 protein	1.27
451106	BE382701	Hs.25960	N-MYC oncogene	1.27
434804	AA649530	Hs.348148	gb:rs4405.s1 NCL CGAP_Alv1 Homo sapiens	1.23
430686	NM_001942	Hs.2533	desmoglein 1	1.21
429325	AW088739	Hs.243770	ESTs	1.19
406703	X13100	Hs.173084	myosin, heavy polypeptide 3, skeletal mu	1.03
418827	BE327311	Hs.47166	HT021	1.01
404104			C6001378:gij1171748[sp]46530[NOTC_BRAR	1.00

TABLE 469

Play: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Play	CAT Number	Accession
413808	2906_1	AI570189 AI888812 AW867550 AI921557 AW469096 AI925581 AI679988 AW473623 BE841640 BF061525 AI445703 AI925072 AW863188 AW863076 BE841731 AW863167 BE841390 BE841385 BF374078 BE841760 BE841694 BE841769 AA335110 BE841692 BF374073 AA335204 BF374079 BE841713 AA335167 BE841584 AW868103 BE841645 BE841765 AI070336 AW867433 BF373831 BE841758 AW868911 AW863155 AW868847 BE841651 AA335145 BE841670 BF374260 BF374088 BE841661 BE841728 BI335729 BE841739 BE841663 AW863104 AA335201 AA335143 BF906965 AW867493 BE841505 BF374250 BE841766 BF373837 AW863191 BE841705 AW868354 AW868673 AW867311 AA335898 BE841753 AW863407 BE837102 BF374262 BF374247 BF374255 BE841785 AW029590 AW131278 AI801021 AW058240 AW058400 AW029230 AW029432 AW130609 AW029128 AW130469 AI570155 AI620272 AW029259 AI801389 AI868662 AI926902 AI801799 AI810344 AI452852 AW131174 AI581059 AI225028 AI446689 AI923321 AI439430 AI801502 AI679707 AW028944 AI933684 AI801724 AI537779 AI354652 AI470250 AI536872 AI891151 AW868018 AW006034 AI702699 AA335192 AA335165 AA335189 AI933725 AW044393 AI886797 BE841677 BE841681 AA335141 AW008176 AA335223 AI888837 AW868622 AI803901 AW005718 AI538062 AI262258 AI580678 AI445803 AI445394 AI868168 AA335144 AI926349 AA335210 AA334919 AA335163 AA335216 AI678342 BF374135 AI932922 AA335214 AA335109 AI570325 AI452619 AI926109 AI453488 AI678606 AW869289 AW869211 BE841560 AI679368 AI868882 AI928170 BF508305 AW869315 AA334826 BE841712 AW026584 AA335200 BE841764 AV730339 AW474979 AI286344 AI446430 AI537812 AA335166 AW868051 AI679133 AI949520 BE841652 AI949532 BE937113 BE841789 BE841643 AW130556 BE841761 AW868716 AW868698 BE841669 BE937108 AA335158 AA335153 AA335159 AW867404 AW868692 BE841742 AW868711 AW867546 BE841699 AA335198 AA335146 AW868150 BE841660 T99129 BE841740 BE841714 AA335154 AW868815 BF373812 BE841657 BE841780 AI440394 AA335215 AA335202 AA335162 AA335160 AI801656 AI678499 BF374019 AW130236 AI826057 AI572459 AI932773 AA335197 AI611752 AA335224 AI452592 AA335147 AA335149 AA334928 AA335114 AA335111 AI567046 AW029395 AI570326 BF373838 BE841891 BE841776 AW863485 BF374093 AW130376 BE841732 AI446393 AI446781 AW867547 AW029012 AA335227 AW868307 AW869350 AW868709 AW869407 AW005017 AI679252 AI925523 AW151553 AW863109 AI446917 AI799620 AI921607 AW008153 AI520957 AI610620 AI679828 AI868151 AI537839 AI679547 T28354 AI282567 AA335207 R83655 BF906963 AW131160 AI925626 AW029398 AW028445 AW008410 AW152586 AW008476 AI801040 AI453669 AI621200 AA334925 BF374069 BF374075 N53208 BF374246 AW868723 BE937150 AA955002 AW863338 BE841767 X00474 NM_003225 X52003 M12076 B1765761 AW950155 AI571948 BI760569 AA308400 AA568312 BI761955 AA507595 AA614579 AA814409 BF747698 BM142326 AA307578 AI925552 AA578674 AA582084 AW008769 AA514776 AA588034 BG271505 AA858276 BM142503 AW050700 AI307407 AI202532 AA524242 AI909772 AI970839 BG236516 AW750216 AA587613 AI909749 AI909751 AI910083 AA614539 R56292 AA507418 BG571303 AA410586 AA035018 BG572117 BG520022 AA147247 BG005785 BG014448 R31981 H02668 H12498 R36203 BF992089 R73999 T49904 R75732 BI057974 T53581 AA147933 N50695 R68588 R25671 R31935 R25110 R36106 AK056628 BE157467 AW663674 AA190993 H01642 BF510304 AA626915 AA746852 AI610114 AA099554 BG572534 AI803329 AI809932 AI808765 AA411449 AI378780 AA976929 AI378620 AA909684 R75632 AI360919 AI350463 AW069127 AA411621 AA742532 H12461 BE208208 H03612 H12839 N58781 R75957 BF98484 AI240665 BF989591 BI056086 BG001590 BF107035 M31126 BG570706 BG572749 AW806284 H04021 AA151166 AW954405 AA131254 BG056461 W46291 H01532 H04384 H03231 AA852876 H04410 H59605 BE157601 AA113758 BC013389 BC017398 AI023543 AA191424 AI287700 AI409633 AW956466 AW953397 AA172056 BE940298 BF909208 BF909980 BF095153 BG265837 AI720344 BF541715 AA355086 AA172236 AK001536 AK056135 BM474813 BE887303 AK022914 AW581996 AW812945 BE882302 AA134266 BI043873 AA019433 BI862088 BM468857 AU128438 BE384458 AL353867 BI857117 BF686525 BI465223 BM460132 AU129877 BI222283 BG171592 BI043544 BG496295 BG750710 BI256542 BG108520 AU150719 AW510354 AI554258 AL353968 AA191092 BF132635 BE184942 BE184946 AW238414 BE144666
406887	0_0	
450375	16559_3	
415989	10194_1	
426991	29771_1	
454241	885806_1	

5	452203	2630_1	BC014081 NM_000593 X57522 L21208 L21207 L21206 L21205 L21204 AL561404 AL546423 AL560492 AL556882 AL541576 AL550654 B1823519 B1770023 AL554969 B1489906 A1304693 AW295947 BM146642 X57521 BG820143 BE888390 F08770 F12303 BM423610 AL561518 BM009470 BG742981 AA279685 AA847441 AA313737 BF172639 BF897216 BF914190 BF903647 S70277 AL569894 AW073296 A1361433 AA564644 AA487429 BE858232 AA838610 AL539114 A1718375 AL829129 BG057675 A123422 AU158860 BE300656 AW170777 AA586966 AL571889 AL556850 AL576404 AL582800 BL256544 BF342331 BG875994 AA054458 AA363161 A1840434 BE810522 AL577636 A1479660 AW150377 AU154395 AW951271 A1032220 A1819778 A1346733 AW771150 AW512525 A1249904 AA279809 A1352549 AW512517 BG056260 AA521222 BE271141 AL581932 AL541575 B1819184 AV660190 AL556475 A1620020 AW088888 AW079179 Z21518 AA687601 F04651 A1783961 T57198 A1433367 T78652 AL554968 AA365646 AL582619 BE874601 BF804669 AL574458 BM145502 A126651 AL538823 A1475626 AA948210 AA884054 AA487637 AA031844 AA635221 AW794255 AW361447 BE788505 A1628292 AA830988 AA652356 AA653004 BM009154 AA135727 H05927 H23433 R42244 N79997 AW366665 AW366601 AA678742 AL555474 AA135770 BE774050 BF914200 H86457 AA627746 B1560216 B1753586 AW975281 AA684986 AA525775 AA056342 A1538978 X79449 BC017853 AL121035 BF196384 AW119044 A1028023 AW451110 A1971911 AW015069 A1079170 A1376367 A1264113 AA829646 AA737579 AA449679 AA740864 NM_001111 U18121 AL567297 BG773801 BF973874 AV687104 AA527579 AA843525 BE706355 A1074589 A1523475 BE890249 AW406263 BE074258 AV729485 BF805610 BG058619 AA677244 BE179838 AA622264 AA80105 AA740411 A489168 A1076223 BE892923 BE896559 AW375385 AE788739 BG984978 Z40874 T17054 F09669 AW844043 U10439 B1711670 AW245957 AU158557 AA679305 AA679316 W72510 A1346029 BG059762 AW251062 AA132373 A1925621 A1860230 A1340172 AW192891 A1077980 A1094937 A1042115 A1200901 BE328452 AA644678 AA551209 BE351065 AA970761 N88609 AW002028 A160826 A1422774 AW873114 AW073597 AW664483 A1218710 AW020550 AW190607 A1984645 A1871921 A1333970 A1452887 A1818335 AA396655 A1554424 A1274187 BE465703 AW512940 AW241366 A1923954 AA576649 AW158294 AA813181 AA912168 A1049738 AW514073 AA548255 A1569630 BE710031 AA244182 A1341697 AA563904 A1537980 AW517908 AW172943 Z39498 A1750294 AW160414 A1253293 BE825720 T31880 AW150775 D20310 AA150892 A133833 BE781148 AL038957 BF910979 AA352297 BG888142 AW372175 BE729106 AW866705 BE093482 BG990396 A1499917 AA054452 H05484 A1828502 BM467331 AU140570 A135417 BF947202 AW391926 BE813418 BF998473 T92021 B1021048 BM408783 AW501368 AW501342 AW501549 BE939021 BE707147 BE160974 BE305207 N49011 AA947119 AA678801 BE536876 AW897428 BG329648 B8818540 BE542344 B1019250 B1253018 AW130966 BE074249 BE895428 B1034862 BE083277 BF952166 AF274943 BG494894 A1719075 AA908783 A1935150 A1422691 AA910644 AA583187 BM272167 A1828996 AA527373 AW972459 A1831360 AA772418 A1033892 AA100926 AU154749 A1459432 A1423513 A1094587 A4740817 A1991988 A1080262 A1312104 B1256707 AA459522 AA416871 A1075239 A1339996 AA701623 A1139549 A1336880 AA633648 A1989380 A1362835 AA399239 A1146955 BF514270 N82892 A1348243 A1278887 AA459292 A1044230 BF507531 A192600 AA962596 AW613002 AA283140 AA235549 BF108864 AA954344 A149682 A1457100 AW599407 AW300758 BE220715 BE220898 BE569091 BM009647 BF000351 A1537692 A1203723 A1857576 AA584410 AW371667 BM172363 BE253764 BE250764 BE255757 BE251752 BE261925 U09278 NM_004460 U76833 AF007822 AL550894 BG203919 A1575714 A1478772 AW022667 AW613820 A135793 A1051768 A1200109 AA436611 BG208151 A446661 BG215561 BM449645 AW630055 BG620125 AL550932 AW471133 AU136648 BE925603 BF828688 BE141577 BE141585 BE141587 U109688 R23665 R26578 BC005265 BG176720 AW006027 BM352054 AW025316 A1635622 A1880584 A1693769 A1092211 B1492387 A1400449 AW160297 BF939910 AA232282 AW021432 A133893 AA494308 AA854899 A1436795 AW069256 AA882373 A1082748 AA993184 A1126077 A1081768 A1240686 A1261863 A1378423 AA465237 A1376096 AA035579 A1087306 AA448162 AA129977 A1090903 A1080686 A1289399 N33004 A1801240 AW021546 A1370773 A1080604 AA669528 A1250053 A1870113 AA853181 AA858014 BG055562 BG939569 AW080765 AA032283 AA465787 H40506 D00762 NM_002788 AA641134 A1582295 A147525 A1563975 A1093566 A1070743 A1290741 AW073417 BE875418 BM264076 BG876884 A1680635 AW854219 BE774635 AW854212 BG852443 AW854221 AW854208 BE156348 BE843056 AW858991 BE937569 BG878291 B876450 AW819099 A1906570 AA449871 AU135228 BM478404 BF126296 AA375499 AA248473 M77830 NM_004415 AF139085 BG681115 BG740377 B1712964 BG000656 AA128470 B1438324 H27408 BE931630 BE167185 AW370827 AW370813 J05211 BG698885 BG740734 BG680618 BG739778 B1765807 BM363403 BM353248 AW177784 AW205789 AW951576 AW848592 BE182164 BF149266 BE340187 B1060446 BF350983 BE720095 BE720069 BE715154 BE082584 BE082576 BE004047 AA867316 B1039774 BE713818 BE713548 AW170263 BE160433 B1039775 AW886475 BM462504 BE931734 BF149264 AA340077 BF381183 BG621737 AU127260 AW364859 BF993352 BG223489 BE819009 BF381184 BE715956 R58704 AA852212 AW366566 B1090358 BF087707 BE819046 BE819005 AA377127 BE073467 BE819069 BE819048 B1036306 BG990973 B1040854 BF919911 AU140155 A1951766 A1434518 AW804674 BF752969 BE837009 BE925826 BF149265 AW895615 BE814264 B1039782 AU140407 BE144243 BE709863 BF985842 BE001923 BF933510 AW265328 BG438319 BE182166 AW385175 AW847688 BE819280 AW177933 BF873879 AW178000 BE082526 BF476866 BF086894 BF592275 BE082507 BE082514 BE082505 BF873693 AW068840 AW847678 BF804153 AW365157 BE813930 BE002030 AW365153 BE184941 BF1749421 BE184920 BF839562 BE164933 BF842254 BE688470 BE931048 BF999889 BF368816 BE184924 BE159846 BE714632 BE184948 BG888845 AA131128 AA089891 W39488 C04715 BF096124 BE865341 AW799304 A1603116 BE149760 BE705967 BE705966 BE705968 AW848723 AW376699 AW376817 AW376897 BG005097 BF751115 BE696084 AW848371 AW376782 AW848789 AW849074 AW361413 BF927725 BF094211 AW997139 BE865474 BE185187 BE166621 BE175089 BE713297 BE713298 BE179915 AW799309 BF872345 BF086676 BE705939 AW752589 BG005197 BF350086 BE715198 BE715155 BF752396 BF093817 BF831190 BF752409 BE006561 BG958922 BF094833 BF094748 BF094583 AW377699 AW807238 BE082519 AW377700 BF349467 A1190590 A1554403 A1392926 A1158477 B1467252 A1159919 A1760816 BF082516 A1439101 AA451923 A1340326 A1580975 B1791553 A1700963 A142882 AA039975 AA946838 AA844381 BM314884 AA702424 A1471812 AW190555 A1220573 A1304772 A1270345 A1627383 AA552300 A1811702 AW166807 A1346078 W95070 A149191 AA028864 A1830049 AW780435 A1078449 A1819984 A1858282 B1468588 A1860684 A1025832 AA026047 AA703232 AA658154 AA515500 A192085 AA918281 T77861 A1827207 A1205263 BF082491 AW021347 A1588096 BE939862 AA088866 D12082 AA056527 AA782109 W19287 W02156 AW150038 AA022701 T87181 H44405 A1910434 BF082513 A1894069 A1270027 A1635878 AA128330 BG681426 BE706078 R20904 BG680069 BG676847 BF764409 AA026854 AV745530 B1792796 BG287391 AW798780 BE706045 BE326470 AW799118 BF087996 BE002273 AW879451 A1571075 BE067786 AV721320 A1022882 N29754 C03378 N84767 AA131077 H30146 BE714290 A1868669 A1668892 A1915598 AW106614 A1887258 A1538577 BE926474 BE057737 BG319466 AA247685 AW798883 AW103621 BF889173 AW860878 BE939707 BE185760 BE714064 BE713903 BE713868 BE713763 BG950164 BE713810 AW365151 BG955489 BE005272 BF915937 AW365148 A1905927 BF992780 AW853812 BG954443 B1770853 BG679406 BG740832 BG681087 BG688430 AA456100 T87267 BE896209 BE698210 B1089483 BE006273 BE872225 AW391912 BE925515 BG677012 BG741970 AA026480 BE705999 BG677157 BE009090 BG681378 BE712291 BG961498 BG676994 B1040941 AA337270 AW384371 AW847442 B1058659 BE813665 W95048 W25458 AW177786 AA025851 BE931733 BF154837 BG949393 BE714441 AW996245 BE711801 A1284090 BE064323 BE719390 BE940148 BG991212 BF375714 BF349522 BG996267 T48793 B1013292 BE001925 AW365155 AW365154 AW606653 BF763109 BE931837 BE167181 BE713379 BF354008 BF678726 H90899 AW365145 W83882 A1498487 BC015981 A1301615 AA828980 A126603 BF184719
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TABLE 46C

Pkey:	Unique number corresponding to an Eos probeset
Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) Nature 402:489-495.
Strand:	Indicates DNA strand from which exons were predicted.
NL_position:	Indicates nucleotide positions of predicted exons.

Pkey	Ref	Strand	NL_position
401781	7249190	Minus	83215-83435,83531-83556,83740-83901,8423

5	401780	7249190	Minus	28397-28617,28920-29045,29135-29296,2941
	400665	8118496	Plus	17982-18115,20297-20456
	401785	7249190	Minus	165776-165996,166189-166314,166408-16655
	401747	9789672	Minus	118596-118616,119119-119244,119609-11975
	400665	8118496	Plus	16879-17023
	402994	2996643	Minus	4727-4969
	402075	8117407	Plus	121907-122035,122804-122921,124019-12416
	405770	2735037	Plus	61057-62075
10	401994	4153858	Minus	42904-43124,43211-43336,44607-44763,4519
	404996	6007890	Plus	37999-38145,38652-38998,39727-39872,4055
	404240	5002624	Minus	116132-116407,116653-116922
	402447	9796540	Plus	47605-47729,51696-51821,52070-52257,5330
	402992	7767907	Minus	42137-42515
15	402408	9796239	Minus	110326-110491
	404286	2326514	Plus	51086-51301
	405387	8587915	Minus	3769-3833,5708-5895
	404287	2326514	Plus	53134-53281
	402995	2996643	Minus	5962-6216
20	405545	1054740	Plus	118677-118807,119091-119296,121826-12182
	401797	6730720	Plus	6973-7118
	402294	2262012	Minus	2575-3000
	401961	4581193	Minus	124054-124209
	404440	7528051	Plus	80430-81681
25	405386	6579238	Minus	40959-41297
	404171	9930793	Plus	173667-173783,176876-177055
	405778	7280331	Plus	18748-19757
	406400	9256298	Plus	1553-1712,1878-2140,4252-4385,5922-6077
	401176	9439469	Minus	20475-20734
30	404170	9930793	Plus	168336-169248

TABLE 47A:

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigeneID: Unigene number
 Unigene Title: Unigene gene title
 R1: Maximum of esophageal tumor Als divided by the 99th percentile of the normal esophagus Als

	Pkey	ExAccn	UnigeneID	Unigene Title	R1
35	400289	X07820	Hs.2258	matrix metalloproteinase 10 (stromelysin	31.70
	411243	AB039886	Hs.69319	CA11	30.12
45	418007	M13509	Hs.83169	matrix metalloproteinase 1 (interstitial	18.46
	444325	AW152618	Hs.16757	ESTs	18.22
	444381	BE387335	Hs.283713	ESTs, Weakly similar to S64054 hypotheti	17.52
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy	18.28
50	400666			NM_002425:Homo sapiens matrix metallopro	15.59
	425211	M18667	Hs.1867	progastricsin (pepsinogen C)	15.22
	425679	X06997	Hs.159177	lipase, gastric	14.60
	432239	X81334	Hs.2936	matrix metalloproteinase 13 (collagenase	13.14
	431723	AW058350	Hs.16782	Homo sapiens mRNA; cDNA DKFZp564B2062 (f	12.60
55	446619	AU076643	Hs.313	secreted phosphoprotein 1 (osteopontin,	12.00
	453331	AL240665		ESTs	11.20
	431620	AA126169	Hs.264981	2'-5'-oligoadenylate synthetase 2 (69-71	10.77
	408380	AF123050	Hs.44532	ubiquitin	10.32
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	10.32
60	412326	R07566	Hs.73817	small inducible cytokine A3 (homologous	10.22
	419216	AU076718	Hs.164021	small inducible cytokine subfamily B (Cy	10.18
	408243	Y00787	Hs.624	Interleukin 8	9.80
	414359	M62194	Hs.75929	cadherin 11, type 2, OB-cadherin (osteob	9.75
	450375	AA009647		a disintegrin and metalloproteinase doma	9.12
65	407366	AF026942	Hs.17518	gh:Homo sapiens clg33 mRNA, partial sequ	8.88
	433447	U29195	Hs.3281	neuronal pentraxin II	8.64
	421508	NM_004833	Hs.106115	absent in melanoma 2	8.46
	452862	AW378065	Hs.8687	ESTs	8.34
	432828	AB042326	Hs.287402	chondroitin 4-sulfotransferase	7.92
70	462281	T93500	Hs.28792	Homo sapiens cDNA FLJ11041 fis, clone PL	7.86
	409757	NM_001898	Hs.123114	cystatin SN	7.82
	452838	U65011	Hs.30743	preferentially expressed antigen in mala	7.60
	413670	AB000115	Hs.75470	hypothetical protein, expressed in osteo	7.58
	462410	AL133619		Homo sapiens mRNA; cDNA DKFZp434E2321 (f	7.48
75	437330	AL353944	Hs.50115	Homo sapiens mRNA; cDNA DKFZp761J1112 (f	7.44
	406697	M31126		matrix metalloproteinase 11 (stromelysin	7.24
	430260	AA361258	Hs.237868	interleukin 7 receptor	7.18
	439343	AF085161	Hs.114611	hypothetical protein FLJ11808	7.13
80	429228	AI563633	Hs.326447	ESTs	7.04
	421110	AJ250717	Hs.1355	cathepsin E	6.98
	414004	AA737033	Hs.7155	ESTs, Moderately similar to 2115357A TYK	6.88
	424321	W74048	Hs.1765	lymphocyte-specific protein tyrosine kin	6.88
	406673	M34996	Hs.198253	major histocompatibility complex, class	6.72
	421582	AI910275		trefoil factor 1 (breast cancer, estroge	6.52

5	447164	AF026941	Hs.17518	Homo sapiens cly5 mRNA, partial sequence	6.40
	409403	AA658224	Hs.6634	Homo sapiens cDNA: FLJ22547 fis, clone H	6.32
	439926	AW014875	Hs.137007	ESTs	6.32
	418460	M26315	Hs.85258	CD8 antigen, alpha polypeptide (p32)	6.12
	411296	BE207307	Hs.10114	growth suppressor 1	6.03
	426312	AF026939	Hs.181874	interferon-induced protein with tetrabi	5.86
	413441	AI928374	Hs.75367	Sro-like-adaptor	5.86
	427337	Z46223	Hs.176663	Fc fragment of IgG, low affinity IIb, r	5.81
10	417715	AW969587	Hs.86366	ESTs	5.76
	413808	J00287		Homo sapiens mRNA for caldesmon, 3' UTR	5.63
	400565			NM_002425:Homo sapiens matrix metallopro	5.60
	424408	AI754813	Hs.146428	collagen, type V, alpha 1	5.53
	418299	AA279530	Hs.83968	integrin, beta 2 (antigen CD18 (p95), ly	5.44
	444527	NM_005408	Hs.11383	small inducible cytokine subfamily A (Cy	5.42
15	428368	BE440042	Hs.83326	matrix metalloproteinase 3 (stromelysin	5.40
	416768	AA363733	Hs.1032	regenerating islet-derived 1 alpha (panc	5.38
	430413	AW842182	Hs.241392	small inducible cytokine A5 (RANTES)	5.08
	427509	M62505	Hs.2161	complement component 5 receptor 1 (C5a I	5.08
20	422530	AW972300	Hs.118110	bone marrow stromal cell antigen 2	5.04
	413278	BE563085	Hs.833	interferon-stimulated protein, 15 kDa	4.92
	436856	AI469355	Hs.127310	ESTs	4.80
	426711	AA383471	Hs.343800	conserved gene amplified in osteosarcoma	4.60
	421362	AK000050	Hs.103853	hypothetical protein FLJ20043	4.53
25	452401	NM_007115	Hs.29352	tumor necrosis factor, alpha-induced pro	4.48
	404240			NM_018950:Homo sapiens major histocompat	4.36
	435523	T62849	Hs.11090	membrane-spanning 4-domains, subfamily A	4.34
	437763	AA469369	Hs.5831	tissue inhibitor of metalloproteinase 1	4.29
	425139	AW830488	Hs.25338	protease, serine, 23	4.24
30	416989	AI267700		ESTs	4.20
	408202	AA227710	Hs.43668	DKFZP586L151 protein	4.11
	450701	H39960	Hs.288467	hypothetical protein XP_096151	4.06
	423271	W47225	Hs.126255	interleukin 1, beta	4.02
	414774	X02419	Hs.77274	plasminogen activator, urokinase	3.96
35	443907	AUG76484	Hs.9963	TYRO protein tyrosine kinase binding pro	3.90
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	3.86
	444008	BE395085	Hs.10086	type I transmembrane protein Fn14	3.86
	414915	NM_002462	Hs.78391	myxovirus (influenza) resistance 1, homo	3.76
	408122	AI432852	Hs.42824	hypothetical protein FLJ10718	3.49
40	408049	AWD76098	Hs.345588	desmoplakin (DPI, DPII)	3.44
	431629	AIJ077025	Hs.285827	interferon, alpha-inducible protein (clo	3.37
	435370	AI964074	Hs.225838	ESTs	3.29
	443378	AW392550	Hs.9280	proteasome (prosome, macropain) subunit,	3.19
	443071	AI080021	Hs.8986	complement component 1, q subcomponent,	3.18
45	409154	U72882	Hs.50842	interferon-induced protein 35	3.13
	445417	AK001058	Hs.12680	Homo sapiens cDNA FLJ10196 fis, clone HE	3.12
	413142	M81740	Hs.75212	ornithine decarboxylase 1	3.00
	406446	M33600	Hs.308026	major histocompatibility complex, class	2.76
	402892			Target Exon	2.57
50	452304	AA025386	Hs.61311	ESTs, Weakly similar to S10590 cysteine	2.54
	418245	AA088767	Hs.83883	transmembrane, protease antigen induced	2.52
	413945	NM_000591	Hs.75627	CD14 antigen	2.51
	423225	AA852604	Hs.125359	Thy-1 cell surface antigen	2.50
	443883	AA114212	Hs.9930	serine (or cysteine) proteinase inhibito	2.48
55	415149	X12451	Hs.78058	cathepsin L	2.47
	425247	NM_005940	Hs.155324	matrix metalloproteinase 11 (stromelysin	2.46
	410422	AI042014	Hs.63348	Homo sapiens, clone MGC:15203, mRNA, com	2.45
	413836	AF113676	Hs.297681	serine (or cysteine) proteinase inhibito	2.45
	409202	AA236881	Hs.51043	hexosaminidase B (beta polypeptide)	2.39
60	422562	AI952080	Hs.118397	AE-binding protein 1	2.35
	443639	BE269042	Hs.9661	proteasome (prosome, macropain) subunit,	2.28
	444852	BE513613	Hs.11538	actin related protein 2/3 complex, subun	2.19
	412471	M63193	Hs.73946	endothelial cell growth factor 1 (platelet	2.19
	449717	AB040935	Hs.23954	cellular cell adhesion molecule	2.03
65	417389	BE260964	Hs.82045	midkine (neurot growth-promoting factor	2.03
	428981	BE313077	Hs.93135	ESTs, Weakly similar to ALU2_HUMAN ALU S	1.83
	445109	AF039916	Hs.12330	ectonucleoside triphosphate diphosphohyd	1.79
	406778	H06273	Hs.101651	Homo sapiens mRNA; cDNA DKFZp434C107 (r	1.70
	408716	AI567839	Hs.151714	Homo sapiens mRNA for KIAA1769 protein,	1.69
70	412773	H15785	Hs.74573	similar to vaccinia virus HindIII K4L OR	1.66
	414024	AA134712	Hs.22410	gbczm79g08.r1 Stralagene neuroepithelium	1.65
	426530	U24578	Hs.278625	complement component 4A	1.58
	414945	BE076368	Hs.77567	lymphocyte antigen 6 complex, locus E	1.52

75

TABLE 47B

Key: Unique Eos probset Identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

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Key	CAT Number	Accession
453331	16559_1	BG571303 AA410586 AA035018 BG572117 BG620022 AA147247 BG005785 BG014448 R31981 H02668 H12498 R36203 BF992089 R73999 T49904 R75732 B1057974 T53681 AA147933 N50695 R68698 R25671 R31935 R25110 R36105 AK055628 BE157467 AW663674 AA190993

5	450375	16559_3	H01642 BF510304 AA626915 AA746952 AI161014 AA099554 BG572534 AI803329 AI809932 AI808765 AA411449 AI378760 AA976929 AI378620 AA909684 R75632 AI360819 AI350463 AW069127 AA411621 AA742532 H12451 BE208298 H03612 H12839 N58781 R75957 BF996484 AI240665 BF989591 BI056086 BG001590 BF107035 BG570706 BG572749 AW06284 H04021 AA151166 AW954405 AA131254 BG056461 W46291 H01532 H04384 H03231 AA852876 H04410 H59605 BE157601 AA113758 452410 59661_1 AL133619 AI435410 AA522747 AW272464 AI215594 AI673758 AI476447 AI804128 AI581345 AI026826 AI300620 AW513621 AA256162 AI559724 AI93386 AA614641 AI125754 AI214351 AI567080 AI200813 AI476629 AI885732 AA602400 AA730140 AI565082 AI269603 AI807095 AA905453 AA505909 AI204595 AI582930 AI686077 AA757863 AA730154 AA654048 BI831663 AI734138 AI734130 AI732734 AW043563 AI741241 AI732741 BF111446 BE677727 AA437369 AA426284 AA433997 AA425820 M31126 X00474 NM_003225 X52003 M12076 BI765761 AWB50155 AI571948 BI760569 AA308400 AA568312 BI761955 AA507595 AA614579 AA614409 BF747698 BM142328 AA307578 AI925552 AA578674 AA582084 AW009769 AA514776 AA588034 BG271505 AA858276 BM142503 AW050700 AI307407 AI202532 AA624242 AI909772 AI970839 BG236516 AW750216 AA587613 AI909749 AI909751 AI910083 AA614539 R55292 AA507418 AI570199 AI888812 AW867550 AI921557 AW463096 AI925581 AI579886 AW473623 BE841640 BF061525 AA445703 AI925072 AW863188 AW863076 BE841731 AW863167 BE841390 BE841365 BF374078 BE841760 BE841694 BE841769 AA335110 BE841692 BF374073 AA335204 BF374079 BE841713 AA335167 BE841584 AW868103 BE841645 BE841765 AI076335 AW867433 BF373831 BE841758 AW868911 AW863155 AW868847 BE841651 AA335145 BE841670 BF374260 BF374088 BE841661 BE841726 BI335729 BE841739 BE841663 AW863104 AA335201 AA335143 BF906965 AW867493 BE841505 BF374250 BE841766 BF373637 AW863191 BE841705 AW863154 AW868673 AW867311 AA335895 BE841753 AW863407 BE937102 BF374252 BF374247 BF374255 BE841786 AW029590 AW131278 AI801021 AW058240 AW058400 AW029230 AW029432 AW130509 AW029128 AW130469 AI570155 AI620272 AW029259 AI801389 AI888662 AI926902 AI801799 AI610344 AI452852 AW131174 AI581059 AI225028 AI446689 AI923321 AI439430 AI801502 AI679707 AW028944 AI933684 AI801724 AI537779 AI354652 AI470250 AI586872 AI891151 AW868019 AW060304 AI702599 AA335192 AA335165 AA335189 AI933725 AW044393 AI888797 BE841677 BE841681 AA335141 AW008176 AA335223 AI888837 AW868622 AI803901 AW005718 AI538062 AI262258 AI580678 AI445803 AA45394 AI868168 AA335144 AI926349 AA335210 AA334919 AA335163 AA335216 AI678342 BF374135 AI932922 AA335214 AA335109 AI570325 AI452619 AI926109 AI453488 AI678606 AW869289 AW869211 BE841580 AI679368 AI888882 AI926170 BF508305 AW869315 AA334926 BE841712 AW026584 AA335200 BE841764 AV730339 AW474979 AI286344 AI446430 AI537612 AA335166 AW868051 AI679133 AI949520 BE841652 AI949532 BE937113 BE841789 BE841643 AW130556 BE841761 AW868716 AW868698 BE841669 BE937108 AA335168 AA335153 AA335159 AW867404 AW868892 BE841742 AW868711 AW867546 BE841699 AA335198 AA335146 AW868150 BE841660 T99129 BE841740 BE841714 AA335154 AW868815 BF373812 BE841657 BE841780 AI440394 AA335215 AA335202 AA335162 AA335160 AI801655 AI578499 BF374019 AW130238 AI826057 AI572459 AI932773 AA335197 AI611752 AA335224 AI452592 AA335147 AA335149 AA334928 AA335114 AA335111 AI567048 AW029395 AI570326 BF373838 BE841681 BE841776 AW863485 BF374093 AW130376 BE841732 AI446393 AW46781 AW867547 AW029012 AA335227 AW869307 AW869350 AW868709 AW869407 AW005017 AI679252 AI925523 AW151553 AW863109 AI445917 AI799620 AI921607 AW008153 AI520957 AI610620 AI679828 AI808151 AI537839 AI679547 T28354 AT282567 AA335207 R83655 BF806963 AW131160 AI925526 AW029395 AW028445 AW008410 AW162586 AW008476 AI801040 AI453669 AI621200 AA334925 BF374069 BF374075 N53208 BF374245 AW868723 BE937150 AA555002 AW863338 BE841767 415989 10194_1 BC013389 BC017398 AI023543 AA191424 AI267700 AW469633 AW958465 AW953397 AA172056 BE940298 BF909208 BF909980 BF095153 BG285837 AI720344 BF541715 AA355088 AA172236
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TABLE 47C

Pkey:	Unique number corresponding to an Eos probeset		
Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) <i>Nature</i> 402:489-495.		
Strand:	Indicates DNA strand from which exons were predicted.		
NI_position:	Indicates nucleotide positions of predicted exons.		
Pkey	Ref	Strand	NI_position
400666	8118496	Plus	17982-18115,20297-20456
400665	8118496	Plus	16879-17023
404240	5002624	Minus	116132-116407,116653-116922
402992	7767907	Minus	42137-42515

TABLE 48A:

Pkey:	Unique Eos probeset identifier number		
ExAccn:	Exemplar Accession number, Genbank accession number		
UnigeneID:	Unigene number		
Unigene Title:	Unigene gene title		
R1:	90th percentile of normal esophagus AIs divided by the 90th percentile of esophageal tumor AIs		

Pkey	ExAccn	UnigeneID	Unigene Title	R1
407245	X90558	Hs.172004	titin	37.43
426752	X69480	Hs.172004	titin	30.23
425545	N98529	Hs.158295	Homo sapiens, clone MGC:12401, mRNA, com	23.69
407013	U35637		gb:Human nebulin mRNA, partial cds	17.09
400440	X83957	Hs.83870	nebulin	15.56
405704	M21665	Hs.929	myosin, heavy polypeptide 7, cardiac mus	14.21
428087	AA100573	Hs.182421	troponin C2, fast	13.03
417070	Z19077	Hs.172004	titin	13.02
406707	S73840	Hs.931	myosin, heavy polypeptide 2, skeletal mu	12.61
405001	U58196		interleukin enhancer binding factor 1	12.53
418391	NM_003281	Hs.84673	troponin I, skeletal, slow	12.46
418205	L21715	Hs.83760	troponin I, skeletal, fast	12.40
422533	X56832	Hs.118804	enolase 3, (beta, muscle)	12.21
400499			C10001868g[6879124]ref[NP_032759.1] ne	11.99
418390	AF133820	Hs.84665	titin immunoglobulin domain protein (myo	10.53
412519	AA186241	Hs.73980	troponin T1, skeletal, slow	10.21
417435	NM_005181	Hs.82129	carbonic anhydrase III, muscle specific	10.14
413778	AA090235	Hs.75535	myosin, light polypeptide 2, regulatory,	10.13
408493	BE205854	Hs.46039	phosphoglycerate mutase 2 (muscle)	10.00
416373	AA195845	Hs.73680	ESTs, Weakly similar to S12658 cysteine-	9.66
415672	N53087	Hs.193579	ESTs	9.57
409096	AA194412	Hs.50550	sarcomeric muscle protein	9.48

5	431360	NM_000427	Hs.251680	loricrin	9.42
	416882	J05401	Hs.80691	creatine kinase, mitochondrial 2 (sarcom	9.20
	426429	X73114	Hs.169849	myosin-binding protein C, slow-type	9.15
	422069	AJ010063	Hs.343503	titin-cap (teletthin)	8.96
	409028	AB014513	Hs.49998	Z-band alternatively spliced PDZ-motif	8.64
10	437206	AW976934	Hs.263382	ESTs, Weakly similar to I38344 titin, ca	8.48
	421296	NM_002666	Hs.103253	perilipin	8.47
	412129	M21984	Hs.73454	troponin T3, skeletal, fast	8.39
	434352	AF129505	Hs.86492	small muscle protein, X-linked	8.28
	418026	BE379727	Hs.83213	fatty acid binding protein 4, adipocyte	7.83
15	408591	AF015224	Hs.46452	mammaglobin 1	7.88
	435124	AA725362	Hs.120458	ESTs	7.76
	430681	AW959675	Hs.291232	ESTs	7.70
	454229	AW957744	Hs.278469	tetrameric proline rich protein	7.68
	424734	AJ217685	Hs.96844	ESTs	7.59
20	428221	U66781	Hs.183075	ATPase, Ca transporting, cardiac muscle,	7.57
	431204	F28841	Hs.250760	cytochrome c oxidase subunit VIa polypep	7.41
	443727	Z25389	Hs.18459	ESTs	7.21
	408753	AI337192	Hs.47438	SH3 domain binding glutamic acid-rich pr	7.04
	413132	NM_006823	Hs.75209	protein kinase (cAMP-dependent, catalyti	6.98
25	424485	AI685069	Hs.272556	peptidylarginine deiminase type I	6.93
	403805			Target Exon	6.87
	429997	NM_006789	Hs.227457	apolipoprotein B mRNA editing enzyme, ca	6.72
	418532	F00797	Hs.85844	neurotrophic tyrosine kinase, receptor,	6.70
	419711	C02821	Hs.159282	ESTs	6.70
30	422840	M37984	Hs.118845	troponin C, slow	6.68
	433839	F35430	Hs.146070	ESTs, Weakly similar to ALU1_HUMAN ALU S	6.65
	406703	X13100	Hs.173084	myosin, heavy polypeptide 3, skeletal mu	6.34
	451621	AI879148	Hs.26770	fatty acid binding protein 7, brain	6.27
	446962	AI351421	Hs.279709	muscle specific ring finger protein 1	6.20
35	411102	AA401295	Hs.23926	bradkin	6.17
	411862	AA528140	Hs.107515	ESTs, Weakly similar to T00329 hypotheti	6.15
	454059	NM_003154	Hs.37048	stathmin	5.95
	451957	AJ796320	Hs.10299	Homo sapiens cDNA FLJ13545 fis, clone PL	5.85
	434360	AW015415	Hs.127780	ESTs	5.57
40	420813	X51501	Hs.99949	prolactin-induced protein	5.52
	417376	AA253314	Hs.154103	LIM protein (similar to rat protein kina	5.46
	424688	AA216287	Hs.1815	myosin, light polypeptide 3, alkali; ven	5.42
	446523	NM_003063	Hs.334629	sarcolipin	5.41
	402270			Target Exon	5.26
45	437846	AA773866	Hs.244569	esophagus cancer-related gene-2	5.24
	424982	U94777		phosphorylase, glycogen; muscle (McArdle	5.17
	414857	AA424074	Hs.76780	protein phosphatase 1, regulatory (inhib	5.14
	410621	AA194329	Hs.172004	titin	5.10
	429134	AA446963	Hs.99004	ESTs	5.06
50	436519	AJ278124	Hs.238756	myozenin	5.04
	447023	AA356764	Hs.17109	integral membrane protein 2A	5.03
	427639	AW444530	Hs.105362	Homo sapiens, clone MGC:18257, mRNA, com	5.02
	428451	AJ908165	Hs.169846	GATA-binding protein 3 (T-cell receptor	5.00
	433635	AJ074502	Hs.134292	hypothetical protein MGC12921	4.98
55	429892	NM_003803	Hs.2504	myomesin 1 (skelemin) (185kD)	4.96
	411021	F00055	Hs.172004	titin	4.95
	416349	X69089	Hs.79227	myomesin (M-protein) 2 (185kD)	4.93
	424897	D63216	Hs.153684	frizzled-related protein	4.92
	406741	AA058357	Hs.74466	carcinoembryonic antigen-related cell ad	4.92
60	428824	W23624	Hs.173059	ESTs	4.78
	418692	AK000268	Hs.87383	hypothetical protein	4.74
	448406	AW772296	Hs.21103	Homo sapiens mRNA; cDNA DKFZp6648078 (fr	4.73
	432306	Y18207	Hs.303090	protein phosphatase 1, regulatory (inhib	4.68
	424049	AB014524	Hs.138380	KIAA0524 protein	4.65
65	438609	AW971945	Hs.293236	ESTs	4.65
	433122	AB019391	Hs.58049	ESTs	4.62
	415447	Z97171	Hs.78454	myocollin, trabecular meshwork inducible	4.59
	415655	W05433		ESTs	4.59
	442376	W95588	Hs.129982	Homo sapiens cDNA FLJ12228 fis, clone MA	4.58
70	452308	AI167580	Hs.61297	ESTs	4.57
	418072	F35210	Hs.86507	Human DNA sequence from clone RP3-353C17	4.56
	428413	NM_014058	Hs.201877	DESC1 protein	4.53
	423725	AJ403108	Hs.132127	hypothetical protein LOC57822	4.53
	438704	AI435060	Hs.32825	ESTs	4.50
75	413391	AI223328	Hs.75335	glycine amidinotransferase (L-arginine;g	4.49
	430699	AW969847	Hs.292718	ESTs, Weakly similar to RET2_HUMAN RETIN	4.48
	419050	NM_000036	Hs.89570	adenosine monophosphate deaminase 1 (iso	4.46
	422313	AF045941	Hs.115166	scellin	4.43
	417045	F01180	Hs.332030	Homo sapiens ORF1	4.41
80	426158	NM_001982	Hs.196087	v-erb-b2 avian erythroblastic leukemia v	4.39
	435101	AJ743156	Hs.131064	ESTs	4.37
	432408	N39127		ESTs, Weakly similar to A46010 X-linked	4.35
	439708	AW872527	Hs.59781	ESTs, Weakly similar to DAP1_HUMAN DEATH	4.35
	429930	AI580809	Hs.89569	ESTs	4.30
	429624	AA458648	Hs.99476	ESTs, Weakly similar to 1313184B alpha1	4.26
	429454	AL039940	Hs.202949	KIAA1102 protein	4.20
	411000	N40449	Hs.201619	ESTs, Weakly similar to S38383 SEB4B pro	4.11

5	425852	AB010445	Hs.225948	small inducible cytokine subfamily A (Cy	3.99
	428560	A1243209	Hs.98659	ESTs, Weakly similar to B47411 ADPribosy	3.95
	438328	A1492261	Hs.32450	ESTs	3.84
	451917	AW391351	Hs.50820	Homo sapiens unknown mRNA	3.84
	453876	AW021748	Hs.110406	ESTs, Weakly similar to i38022 hypothe	3.83
	414807	A1738616	Hs.77348	hydroxyprostaglandin dehydrogenase 15-(N	3.82
	430171	AF086289	Hs.234766	skin-specific protein	3.80
	422287	F16365	Hs.114346	cytochrome c oxidase subunit VIIa polype	3.75
10	446082	A1274139	Hs.168452	ESTs	3.74
	449003	X76342	Hs.389	alcohol dehydrogenase 7 (class IV), mu o	3.70
	431205	AA194580	Hs.250763	tropomodulin 4 (muscle)	3.68
	443265	A916207	Hs.9167	SH3 domain binding glutamic acid-rich pr	3.68
	424747	AA346241	Hs.231887	EST	3.67
15	410223	S73775	Hs.60708	caldesmon 1 (fast-twitch, skeletal m	3.63
	423024	AA593731	Hs.325823	ESTs, Moderately similar to ALU5_HUMAN A	3.62
	453817	AW755253	Hs.61920	ESTs	3.57
	416431	AW384458	Hs.172004	titin	3.52
	425871	AF135024	Hs.165296	kallikrein 13	3.49
20	412462	AA215731	Hs.79265	suppression of tumorigenicity 5	3.48
	421512	AB007923	Hs.265848	myomegalin	3.41
	413822	AI535895	Hs.221024	ESTs	3.37
	419648	T73651	Hs.91877	thyroid hormone responsive SPOT14 (rat)	3.36
	418067	AI727958	Hs.83393	cystatin E/M	3.32
25	428666	AL080190	Hs.189242	Homo sapiens mRNA; cDNA DKFp434A202 (fr	3.29
	451681	Z28564	Hs.255950	ESTs, Weakly similar to AA64_HUMAN 64 KD	3.26
	420197	AW139647	Hs.88134	ESTs, Weakly similar to A57291 cytokine	3.23
	425869	AA524547	Hs.160318	FXD domain-containing ion transport reg	3.21
30	404270			NM_006081:Homo sapiens specific granule	3.21
	409169	F00991	Hs.50889	(clone PWHLC2-24) myosin light chain 2	3.17
	426350	NM_003245	Hs.2022	transglutaminase 3 (E polypeptide, prote	3.13
	452023	AB032899	Hs.27566	KIAA1173 protein	3.08
	417713	D42047	Hs.82432	KIAA0089 protein	2.99
	435538	AB011540	Hs.4930	low density lipoprotein receptor-related	2.97
35	450300	AL041440	Hs.58210	ESTs, Highly similar to ITH4_HUMAN INTER	2.97
	451814	AA847992	Hs.137003	ESTs	2.83
	452360	AI742082	Hs.98539	ESTs	2.67
	431938	AA938471	Hs.54431	specific granule protein (28 kDa); cysta	2.57
	408104	AW872927	Hs.293968	ESTs	2.57
40	444329	W73753	Hs.209537	hypothetical protein FLJ12921	2.54
	438652	W67826	Hs.55412	ESTs, Weakly similar to K1CJ_HUMAN KERAT	2.50
	432191	AA043193	Hs.273186	hypothetical protein, clone Telethon/Ita	2.33
	425855	AF135025	Hs.159679	kallikrein 12	2.32
	430560	Z28942	Hs.243960	N-myc downstream-regulated gene 2	2.28
45	410677	NM_003278	Hs.55424	tetranectin (plasminogen-binding protein	2.25
	411388	X72825	Hs.69762	desmocollin 1	2.25
	425721	AC002115	Hs.159309	uropod 1A	2.12
	430520	NM_018190	Hs.242057	chromosome 1 open reading frame 10	2.10
	428441	AJ224172	Hs.204095	lipophilin B (uteroglobin family member)	2.02
50	417405	W28657	Hs.5307	ESTs	2.01
	434560	R13052	Hs.3964	Homo sapiens clone 24877 mRNA sequence	1.96
	417074	Z49878	Hs.81131	guanidinoacetate N-methyltransferase	1.79
	430513	AJ012008	Hs.241586	G6C protein	1.68
	454478	AW805749	Hs.318885	superoxide dismutase 2, mitochondrial	1.68
55	416559	AI039195	Hs.128060	ESTs	1.66
	447205	BE617016	Hs.11006	ESTs, Moderately similar to T17372 plasm	1.64
	415780	U75898	Hs.78846	heat shock 27kD protein 2	1.55
	409702	AI752244		eukaryotic translation elongation factor	1.60

60 TABLE 488

Key: Unique Eos probe set identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

65	Key	CAT Number	Accession
	407013	2073_7	U35637 AA192323 AA194508 BG011583 F25712 AL598820 BE185376
	424982	25362_1	AK057547 BG181248 AA83766 F25670 AA778128 F27657 F18914 F25171 AA178844 F21556 F25872 F20457 F27617 F38059 F34817 F26857 F25922 F31278 F34666 F01176 F36333 F01226 F27406 F27130 F28742 F24126 F28891 AA195355 AA086351 W69291 F25880 F32791 F31311 F32380 F25216 F19679 F18656 F29700 F24954 F32741 F30404 F36470 F33989 F33141 F36382 F34118 F17714 AA176345 F24700 AA550940 F18617 F16859 F15633 F34675 F16528 F17281 AA086388 F30859 F21852 C02644 F28425 F25286 C03553 F35259 W80691 F16457 F24094 F18783 AA180319 F28443 F17763 F17448 F00542 AA197179 AA193012
70			AJ276240 N70563 F37502 F29200 F27903 F18577 F19683 F20867 Z28857 F30994 F31752 F17375 F15601 F17543 F17411
75			AV724258 AA247153 BF736219 BF513744 AW058048 AI032691 AA865520 N39127 AV724549 F20776 AA249747 AW970392 AA535433 F36964 F33894
80			AK056951 AK026458 BI439120 BM021108 F30243 BM055214 BM054962 BM069657 F37401 AA653621 AI752243 AI720773 AI933014 F18984 F35317 F35258 F27772 H39537 AW445222 F19408 H28557 F30608 F31797 F30950 BF837737 BF837688 AL551046 BI758668 BI765038 BI837440 BE392882 BI438801 AI093511 AI752244 AI784111 BG490221 BF338840 BF338974 BG896472 AL576843 AW966769 F25388 F37436 H28558 AI025548 AA782333 F30929 F36002 F21229 AI720539 AA719449 F21231 F18924 AA626866 F30774 F27704 F31411 F31127 F33381 F36153 F31793 F31138 F31968 F33901 AA298244 BI757347 AI810201 AI692843 F29441 H51409 F21804 AW973248 F18440 F17572 F32499 AA327152 AA534140 AI188086 F18893 F23362 AA010888 F18143 Z28500 H27651 AI720790 F22425 H13178 H28677 F21098 F37777 F21466 F18598 F23420 AL574723 R75610 F34035 F17845 F18560 F25902 R79147 F35534 F15713 AI612800 F16563 F16845 F33609 F28995 BG939623 F17385 F17384 F18660 F17922 F15523 AI093253 F18359 F31452 F00222 AI583430 BM021353 AA284108 H27650 H29355 BE708208 AA010737 H51451

Z19399 A678418 A1952536 F17265 F17826 F37939 F35639 F17367 W75962 R70189 Z28765 R72108 AA335915 R75700 R79116 W72887
 A1581552 R71403 F23388 C03913 B1756149 B116109 B1790727 AL553994 RB2966 W47487 AA456066 AW984608 BE708220 BG490537 W47419

5

TABLE 48C

Pkey: Unique number corresponding to an Eos probeset

Ref: Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) *Nature* 402:489-495.

10

Strand: Indicates DNA strand from which exons were predicted.

Nt_position: Indicates nucleotide positions of predicted exons.

15

Pkey	Ref	Strand	Nt_position
405001	6015406	Minus	104646-104819
400499	9796071	Minus	148495-148806
403805	8140491	Minus	51483-51742,53429-53511
402270	3108020	Plus	117656-117822
404270	9828129	Minus	3649-3750,4161-4306,5962-6049,6849-6965

Table 49A. 1562 genes upregulated in lung cancer relative to normal body tissues

Table 49A shows 1562 genes upregulated in lung cancer relative to normal body tissues that are likely to encode proteins amenable to modulation by small molecules, peptides, or antibodies. These genes were selected from 59680 probesets on the Eos/Affymetrix Hu03 Genechip array. Gene expression data for each probeset obtained from this analysis was expressed as average intensity (AI), a normalized value reflecting the relative level of mRNA expression. The protein products of these genes often contain one or more domains indicative of have oncogenic function or of transducing intracellular signals, or of being modulatable by small molecules, peptides, or antibodies (e.g. kinase, death-domain, 7tm, phosphatase, or ion_transporter). Certain predicted protein domains are noted.

35	Pkey: Unique Eos probeset identifier number
	ExAccn: Exemplar accession number, GenBank accession number
	UniGeneID: UniGene number
	Pred.Prod.Domains: Certain predicted protein domains. Abbreviations used: TM, transmembrane domain; SS, signal sequence; =Y, very likely to contain; =M, likely to contain; other protein domain abbreviations are from PFAM (Nucleic Acids Research, 2002, 30:276-280).
	UniGene Title: UniGene gene title
	R1: 50th percentile of lung tumor AIs divided by the 50th percentile of normal tissue AIs, where the 15th percentile of normal tissue AIs was subtracted from the numerator and denominator.

Pkey; ExAccn; UniGeneID; UniGene Title; Pred.Prod.Domains; R1

45	421502; AF111856; Hs.105039; solute carrier family 34 (sodium phosphate), member 2; Ribosomal_L20,Na_P1_cotrans;TM=Y; 24.05
	439335; AA742697; Hs.62492; ESTs, Weakly similar to B39066 proline-rich protein 15 - rat [R.norvegicus]; none;SS=M; 21.70
	406621; X57809; Hs.181125; immunoglobulin lambda locus; ig_LHSP70,Ppx-GppA;TM=M; 19.36
	421341; AJ243212; Hs.279611; deleted in malignant brain tumors 1; zona_pellucida,CUB,SRCR;SS=M; 16.99
	452304; AA026388; Hs.61311; ESTs, Weakly similar to S10590 cysteine proteinase [H.sapiens]; none;none; 16.67
	429258; AA420450; Hs.292911; ESTs, Highly similar to S60712 band-6-protein [H.sapiens]; none;none; 16.50
50	454034; NM_000691; Hs.575; aldehyde dehydrogenase 3 family, member A1; aldedht; 16.24
	408000; L11690; Hs.620; bulbus pemphigoid antigen 1 (230240kD); ehand,spectrin,GAS2,SH3,Plectin,RA,Xylose_Isom,FlitD,bZIP,Tropomyosin,Myo-LZ,M,Idh_C,CH,AlP3;TM=M; 14.75
	421798; N74880; Hs.29877; N-acylsphingosine amidohydrolase (acid ceramidase)-like; SAPA,Surfactant_B,none; 14.18
	439706; AW872527; Hs.59781; ESTs, Weakly similar to DAP1_HUMAN DEATH-ASSOCIATED PROTEIN 1 [H.sapiens]; none;none; 13.84
55	431846; BE018924; Hs.271580; uroplakin 1B; transmembrane4;TM=Y;SS=M; 13.54
	417079; U65590; Hs.81134; Interleukin 1 receptor antagonist; IL1;SS=M; 12.97
	444381; BE387335; Hs.283713; ESTs, Weakly similar to S84054 hypothetical protein YGL050w - yeast (Saccharomyces cerevisiae) [S.cerevisiae]; Collagen;TM=M;SS=M; 12.92
	408243; Y00787; Hs.624; interleukin 8; IL8,PAS,IL8;TM=M; 12.76
	448133; AA723157; Hs.73769; folate receptor 1 (adult); Folate_rec,MIP;TM=M;SS=M; 12.50
60	414809; AA434699; Hs.77356; transferrin receptor (p90, CD71); PA;TM=Y; 12.12
	436553; AW407157; Hs.181125; immunoglobulin lambda locus; ig_LHSP70,Ppx-GppA;TM=M; 12.00
	418738; AW388633; Hs.6682; solute carrier family 7 (cationic amino acid transporter, y system) member 11; none;none; 11.99
	418693; AA133748; Hs.301350; FXD domain-containing ion transport regulator 3; ATP1G1_PLM_MAT8;TM=Y;SS=M; 11.88
	417866; AW067903; Hs.82772; collagen, type XI, alpha 1; Collagen,COLFI,TSPN,laminin_G,CorA;SS=M; 11.38
65	414998; NM_002543; Hs.77729; oxidized low density lipoprotein (lectin-like) receptor 1; lectin_c;TM=Y;SS=M; 11.21
	428970; BE276891; Hs.194691; retinoic acid induced 3; 7tm_3;TM=Y;SS=M; 11.08
	418004; U37619; Hs.87539; aldehyde dehydrogenase 3 family, member B2; aldedht;TM=M;SS=M; 11.01
	425397; J04088; Hs.156348; topoisomerase (DNA) II alpha (170kD); DNA_gyraseB,DNA_topoisolV,HATPase_c;SS=M; 10.69
	418478; U38945; Hs.1174; cyclin-dependent kinase inhibitor 2A (melanoma, p18, inhibits CDK4); ank; 10.65
70	439223; AW238299; Hs.250618; UL16 binding protein 2; ldl_recept_a,PKD,MHC_J;TM=M;SS=Y; 10.62
	441835; AB036432; Hs.184; advanced glycosylation end product-specific receptor; homeobox,Acyltransferase,notch,EGF,ank,Acyltransferase; 10.47
	451558; NM_001089; Hs.26630; ATP-binding cassette, sub-family A (ABC1), member 3; ABC_tran,SRP54;TM=Y;SS=M; 10.33
	443426; AF098158; Hs.9329; chromosome 20 open reading frame 1; none;TM=M; 10.21
	452747; BE153855; Hs.61460; Ig superfamily receptor LNIR; Ig,Rhbd_glycop;TM=Y;SS=M; 10.14
75	417369; BE260864; Hs.82045; midkine (neurtin growth-promoting factor 2); PTN_MK;TM=M;SS=Y; 10.13
	433091; Y12642; Hs.3185; lymphocyte antigen 6 complex, locus D; UPAR_LY6,lowIn,Activin_resp;TM=M;SS=Y; 10.12
	454098; W27953; Hs.292911; ESTs, Highly similar to S60712 band-6-protein [H.sapiens]; none;none; 10.05
	414812; X72755; Hs.77367; monokine induced by gamma interferon; IL8;TM=M;SS=Y; 9.98
80	430632; A073913; Hs.100686; ESTs, Weakly similar to JE0350 Anterior gradient-2 [H.sapiens]; none;none; 9.79
	422310; AA316622; Hs.98370; cytochrome P450, subfamily IIS, polypeptide 1; none,phdase,fn3,ig; 9.60
	414987; AA524394; Hs.294022; hypothetical protein FLJ14950; SH2;TM=M; 9.54
	439453; BE254974; Hs.6565; thyroid hormone receptor interactor 13; AAA_ABC_tran,CoaE;TM=M; 9.52
	430280; AA381258; Hs.237868; interleukin 7 receptor; fn3,none; 9.48

- 423217; NM_000094; Hs.1640; collagen, type VII, alpha 1 (epidermolysis bullosa, dystrophic, dominant and recessive); Kunitz_BPTI,fn3,vwa,Collagen,beta-lactamase;TM=M;SS=M; 9.44
- 418882; NM_004996; Hs.89433; ATP-binding cassette, sub-family C (CFTR/MRP), member 1; ABC_membrane,ABC_tran;TM=Y;SS=M; 9.32
- 435472; AW972330; Hs.283022; triggering receptor expressed on myeloid cells 1; Ig;TM=M;SS=M; 9.26
- 447343; AA256641; Hs.236894; ESTs, Highly similar to S02392 alpha-2-macroglobulin receptor precursor [H.sapiens]; none:none; 9.18
- 419508; AW97938; Hs.90786; ATP-binding cassette, sub-family C (CFTR/MRP), member 3; ABC_tran,ABC_membrane;TM=Y;SS=M; 9.06
- 441384; AA447849; Hs.288660; Homo sapiens cDNA: FLJ22182 fls, clone HRC00853; 7tm_3:none; 8.98
- 446292; AF081497; Hs.275682; Rh type C glycoprotein; Ammonium_transp,FecCD;TM=Y;SS=M; 8.74
- 436972; AA284679; Hs.25640; claudin 3; PMP22_Claudin;TM=Y;SS=M; 8.71
- 421817; AF146074; Hs.108660; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; Fasciclin,ABC_tran,ABC_membrane,GTP_EFTU;TM=M;SS=M; 8.71
- 423354; AB011130; Hs.127436; calcium channel, voltage-dependent, alpha 2delta subunit 2; vwa,CACHE;TM=M; 8.66
- 439606; W79123; Hs.58561; G protein-coupled receptor 87; 7tm_1;TM=Y;SS=M; 8.63
- 438091; AW373062; nuclear receptor subfamily 1, group 1, member 3; hormone_rec,zf-C4:none; 8.60
- 421506; BE302786; Hs.105097; thymidine kinase 1, soluble; TK;TM=M; 8.57
- 413278; BE563085; Hs.833; interferon-stimulated protein, 15 kDa; ubiquitin;SS=M; 8.56
- 408908; BE296227; Hs.250822; serine/threonine kinase 15; pkinase;SS=M; 8.52
- 414774; X02419; Hs.77274; plasminogen activator, urokinase; kringle,typsin,plant_thionins;SS=M; 8.49
- 430630; AW269920; Hs.2621; cystatin A (stefin A); cystatin;TM=M; 8.42
- 413011; AW068115; Hs.821; biglycan; LRR,LRRNT;SS=M; 8.40
- 446291; BE397763; Hs.14623; Interferon, gamma-inducible protein 30; GILT;TM=M;SS=Y; 8.39
- 411089; AA456454; cell division cycle 2-like 1 (PITSLRE proteins); none:none; 8.37
- 422765; AW409701; Hs.1578; baculoviral IAP repeat-containing 5 (survivin); BIR;TM=M; 8.34
- 453922; AF053306; Hs.36708; budding uninhibited by benzimidazoles 1 (yeast homolog), beta; none;SS=M; 8.25
- 449019; A949096; Hs.67776; ESTs, Weakly similar to T22341 hypothetical protein F47B8.5 - *Caenorhabditis elegans* [C.elegans]; none:none; 8.24
- 407993; D11928; Hs.76846; phosphoserine phosphatase-like; Hydrolase;TM=M; 8.22
- 416819; U77735; Hs.80205; p1m-2 oncogene; pkinase;SS=M; 8.19
- 451541; BE279383; Hs.26557; plakophilin 3; Armadillo_seg;TM=M; 8.16
- 409142; AL136877; Hs.50758; SMC4 (structural maintenance of chromosomes 4, yeast)-like 1; ABC_tran,M,SMC_N,SMC_C,DUF164:none; 8.16
- 429002; AW248439; Hs.2340; junction plakoglobin; Armadillo_seg;TM=M; 8.14
- 446033; AV652402; Hs.72901; mucin 13, epithelial transmembrane; ank; 8.14
- 421757; Z20897; Hs.296259; paraoxonase 3; Arylesterase;SS=Y; 8.10
- 414821; M83835; Hs.77424; Fc fragment of IgG, high affinity Ia, receptor for (CD64); Ig;TM=Y;SS=M; 8.03
- 439285; AL133916; hypothetical protein FLJ20093; Ig,pkinase,LRR,LRRNT,LRRCT;none; 7.97
- 439738; BE246502; Hs.9598; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B; Sema,PSI,Integrin_B;TM=Y; 7.86
- 424905; NM_002497; Hs.163704; NIMA (never in mitosis gene a)-related kinase 2; pkinase;TM=M; 7.85
- 424779; AL046851; Hs.153053; CD37 antigen; transmembrane4;TM=Y;SS=M; 7.85
- 409340; BE174629; Hs.321130; hypothetical protein MGC2771; aa_permeases,pyridoxal_deC,bromodomain,PHD,MBD,AT_hook,DDT,PI3_P14_kinase,FAT,FATC,BclA,RUN;TM=M; 7.84
- 415323; BE269352; Hs.949; neutrophil cytosolic factor 2 (85kD, chronic granulomatous disease, autosomal 2); SH3,TPR;TM=M; 7.73
- 427337; Z46223; Hs.176863; Fc fragment of IgG, low affinity IIb, receptor for (CD16); Ig;TM=Y;SS=M; 7.72
- 430378; Z29572; Hs.2558; tumor necrosis factor receptor superfamily, member 17; IL2;SS=M; 7.71
- 451253; H48293; Hs.26126; claudin 10; PMP22_Claudin,Peptidase_M1,K_beta;TM=Y;SS=M; 7.70
- 435575; AF213457; Hs.44234; triggering receptor expressed on myeloid cells 2; Ig;TM=Y;SS=M; 7.70
- 427747; AW411425; Hs.180655; serine/threonine kinase 12; pkinase;TM=M; 7.70
- 426251; M24283; Hs.168383; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor; Ig,ICAM_N;TM=M;SS=M; 7.67
- 422282; AF019225; Hs.114305; apolipoprotein L1; MolA_ExtB;TM=Y;SS=M; 7.64
- 413859; AW992356; Hs.8364; Homo sapiens pyruvate dehydrogenase kinase 4 mRNA, 3' untranslated region, partial sequence; SAM_PNT;none; 7.64
- 424008; R02740; Hs.137555; putative chemokine receptor; GTP-binding protein; 7tm_1;TM=Y;SS=M; 7.52
- 418322; AA284166; Hs.84113; cyclin-dependent kinase inhibitor 3 (CDK2-associated dual specificity phosphatase); Y_phosphatase,DSPC;TM=M; 7.46
- 421071; AJ131238; Hs.104476; ESTs, Weakly similar to CGHU1E collagen alpha 1(XI) chain precursor [H.sapiens]; none;TM=Y;SS=M; 7.40
- 421481; AW391972; Hs.104696; KIAA1324 protein; none;TM=M;SS=M; 7.39
- 438089; W05391; nuclear receptor subfamily 1, group 1, member 3; hormone_rec,zf-C4;none; 7.38
- 428484; AF104032; Hs.184601; solute carrier family 7 (cationic amino acid transporter, y system), member 5; aa_permeases,pyridoxal_deC,bromodomain,PHD,MBD,AT_hook,DDT,PI3_P14_kinase,FAT,FATC,BclA,RUN;TM=M; 7.38
- 449988; Y08763; Hs.22785; gamma-aminobutyric acid (GABA) A receptor, epsilon; Neur_chan_LBD,Neur_chan_memb;TM=Y;SS=M; 7.36
- 416178; A1808527; Hs.192822; serologically defined breast cancer antigen NY-BR-81; none;TM=M; 7.31
- 418508; AA084248; Hs.85339; G protein-coupled receptor 39; none:none; 7.25
- 441563; AA281218; Hs.121296; ESTs; none,FG-GAP,Integrin_A; 7.25
- 422311; AF073515; Hs.114948; cytokine receptor-like factor 1; fn3;TM=M; 7.21
- 415817; U68967; Hs.78867; protein tyrosine phosphatase, receptor-type, Z polypeptide 1; fn3,Y_phosphatase,carb_anhydrase;TM=Y;SS=M; 7.20
- 438748; A1805815; Hs.184727; Human melanoma-associated antigen p97 (melanotransferin) mRNA, 3' flank; transferin,Guanylate_kin,PDZ,SH3; 7.20
- 412723; AA648458; Hs.335951; hypothetical protein AF301222; none;TM=M; 7.14
- 418203; X54942; Hs.83756; CDC28 protein kinase 2; CKS; 7.14
- 426582; BE336698; Hs.185055; BENE protein; none;TM=Y;SS=M; 7.12
- 418462; BE001596; Hs.85266; integrin, beta 4; fn3,Integrin_B,Cabz-beta,EGF;TM=M;SS=M; 7.08
- 420344; BE463721; Hs.97101; putative G protein-coupled receptor; Methyltransf_5;TM=Y;SS=M; 7.02
- 429450; NM_014791; Hs.184339; KIAA0175 gene product; KA1,pkinase;TM=M; 7.00
- 449230; BE513348; Hs.211579; melanoma cell adhesion molecule; Ig,Isoth,Ribosomal_L6,F-box;TM=Y;SS=M; 6.98
- 439237; AW408168; Hs.318893; ESTs, Weakly similar to A47582 B-cell growth factor precursor [H.sapiens]; Furin-like,pkinase,Recep_L_domain,YLP;none; 6.97
- 421508; NM_004833; Hs.105115; absent in melanoma 2; PAAD_DAPIN,HIN;TM=M; 6.96
- 410342; R31350; Hs.743; Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide; ITAM;TM=Y;SS=M; 6.93
- 428478; Y00272; Hs.334562; cell division cycle 2, G1 to S and G2 to M; pkinase,ICE_p10,ICE_p20;TM=M;SS=M; 6.93
- 421532; AW138207; Hs.146170; hypothetical protein FLJ22869; Armadillo_seg,HEAT;TM=M; 6.91
- 451035; AU078765; Hs.430; plectin 1 (I isoform); eIFand,CH,Adaptin_N;SS=M; 6.86
- 432407; AA221036; gbzr03f12.1 Striatogene N12 neuronal precursor 937230 Homo sapiens cDNA clone 5' similar to SW:POL_BAEVM P10272 POL POLYPROTEIN ; mRNA sequence; DEAD,helicase_C,rm,Ndr,Cys_knot,TIL,vwa,ywc,ywd,IQ,RiIa,abhydrolase,TGF-beta,DUF139,TPR,DSPC,bsp_1,Ribosomal_S21,rvp;TM=M; 6.84
- 442599; AF078037; Hs.324051; RelA-associated inhibitor; SH3,ank;TM=M; 6.77
- 449243; AW369771; Hs.52620; integrin, beta 8; Integrin_B;none; 6.76
- 427557; NM_002659; Hs.179657; plasminogen activator, urokinase receptor; UPAR_1,Y6,ET,PLA2_inh;SS=M; 6.75
- 418054; NM_002318; Hs.83354; lysyl oxidase-like 2; SRCR,Lysyl_Oxidase;TM=M;SS=M; 6.74
- 426440; BE382756; Hs.169902; solute carrier family 2 (facilitated glucose transporter), member 1; sugar_tr;TM=Y;SS=M; 6.73

- 430397; A1924533; Hs.105607; bicarbonate transporter related protein 1; HCO3_cotransp;TM=Y; 6.71
 449523; NM_000579; Hs.54443; chemokine (C-C motif) receptor 5; 7tm_1;TM=Y;SS=M; 6.71
 431630; NM_002204; Hs.265829; integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor); FG-GAP,Rhbd_glycop,Integrin_A;TM=Y;SS=M; 6.70
 410434; AF051152; Hs.53668; toll-like receptor 2; LRR,LRRCT,TIR;TM=M;SS=M; 6.69
 424926; NM_002432; Hs.153837; myeloid cell nuclear differentiation antigen; PAAD_DAPIN,HIN; 6.69
 431890; J17033; Hs.271986; Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor); vwa,Integrin_A,FG-GAP;TM=Y;SS=M; 6.65
 428157; A1738719; Hs.198427; hexokinase 2; hexokinase,hexokinase2,none; 6.64
 430770; AA765694; Hs.123296; ESTs; none,none; 6.63
 412270; AC005262; Hs.73797; guanine nucleotide binding protein (G protein), alpha 15 (Gq class); G-alpha,arf;TM=M; 6.59
 439750; AL359053; Hs.57664; Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 2005735; IMPDH_C,IMPDH_L,N,CBS,Integrin_B,Ricin_B,Icdin; 6.59
 427700; AA262294; Hs.180383; dual specificity phosphatase 6; Rhodanese,DSPC;TM=M; 6.59
 413048; M93221; Hs.75182; mannose receptor, C type 1; fu2,lectin_c,Ricin_B,Icdin,Xlink;TM=Y;SS=M; 6.58
 429345; R11141; Hs.199695; hypothetical protein; K_tetra,SAM; 6.58
 416110; Z42262; Hs.322844; hypothetical protein DKFZp564A176; Sema,PSI,TIG,Integrin_B;TM=Y;SS=M; 6.58
 418883; BE397036; Hs.1211; acid phosphatase 5, tartrate resistant; Metallophos;TM=M;SS=M; 6.57
 426746; J03626; Hs.2057; uridine monophosphate synthetase (protate phosphoribosyl transferase and orotidine-5'-decarboxylase); Pribosyltran,OMPDecase;TM=M; 6.57
 402260; ; NM_001436; Homo sapiens fibrinogen (FBL), mRNA; transcript (FBA), mRNA; pkinase,Fibrinogen,none; 6.56
 456373; BE247708; Hs.89751; membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide); none;TM=Y; 6.53
 444006; BE359085; Hs.10086; type I transmembrane protein Fn14; Icd_recept_a,PKD,MHC_J;TM=M;SS=Y; 6.53
 411027; AF072099; Hs.67846; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4; Inositol_P,Ig;TM=M; 6.52
 435523; T82849; Hs.11090; membrane-spanning 4-domains, subfamily A, member 7; none;TM=Y;SS=M; 6.52
 432920; U37689; Hs.3128; polymerase (RNA) II (DNA directed) polypeptide H; none;TM=M; 6.48
 412773; H15785; Hs.74573; similar to vaccinia virus HindIII KAL ORF; PLDe;TM=M; 6.48
 409208; Y00093; Hs.51077; integrin, alpha X (antigen CD11C (p150), alpha polypeptide); vwa,FG-GAP,Integrin_A,vwa,Integrin_A,FG-GAP; 6.43
 424441; X14850; Hs.147097; H2A histone family, member X; histone,CBFD_NFYB_HMF; 6.43
 418918; X07871; Hs.89476; CD2 antigen (p50), sheep red blood cell receptor; Ig;TM=Y;SS=M; 6.41
 413219; AA878200; Hs.118727; Homo sapiens cDNA FLJ13592 fis, clone PLACE2000103; HLH,death,TNFR_c6,Acyl-CoA_hydro; 6.41
 429170; NM_001394; Hs.23559; dual specificity phosphatase 4; Rhodanese,DSPC,Y_phosphatase,Ribosomal_S3_N;TM=M; 6.39
 453914; NM_000507; Hs.574; fructose-1,6-bisphosphatase 1; FBpase;TM=M; 6.37
 424273; W40460; Hs.144442; phospholipase A2, group X; phoslip;TM=M;SS=Y; 6.37
 428386; AF112213; Hs.184062; putative Rab5-interacting protein; SH2,SH3;SS=M; 6.36
 432636; AA340864; Hs.278562; claudin 7; PMP22_Claudin;TM=Y;SS=M; 6.34
 409430; R21945; Hs.348735; splicing factor, arginine/serine-rich 6; DSPc,Rhodanese,none; 6.34
 451734; NM_006176; Hs.26944; neurogranin (protein kinase C substrate, RC3); IQ,7tm_1;TM=M; 6.34
 443907; AL076484; Hs.9953; TYRO protein tyrosine kinase binding protein; none;TM=M;SS=Y; 6.34
 401027; ; Target Exon; none,none; 6.26
 418299; AA279530; Hs.93968; Integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1; macrophage antigen 1 (mac-1) beta subunit); integrin_B,EGF,PSI;TM=Y;SS=M; 6.22
 429732; U20158; Hs.2488; lymphocyte cytosolic protein 2 (SH2 domain-containing leukocyte protein of 76kD); SH2;SS=M; 6.21
 408113; T82427; Hs.194101; Homo sapiens cDNA: FLJ20869 fis, clone ADKAD2377; 7tm_3,none; 6.20
 408771; AW732573; Hs.47584; potassium voltage-gated channel, delayed-rectifier, subfamily S, member 3; ehand,ion_trans,K_tetra,none; 6.19
 456534; X91195; Hs.100623; phospholipase C, beta 3, neighbor pseudogene; LHM,PDZ,pkinase,SS=M; 6.18
 408452; NM_000676; Hs.45743; adenosine A2b receptor; 7tm_1;TM=Y;SS=M; 6.17
 428427; M88699; Hs.169840; TTK protein kinase; pkinase; 6.17
 445019; A1265640; Hs.281295; ESTs; none,none; 6.16
 438552; AJ245820; Hs.6314; type I transmembrane receptor (seizure-related protein); none,none; 6.16
 414907; X90725; Hs.77597; polo (Drosophila)-like kinase; Ribosomal_L37ae,pkinase,POLO_box,IRNA-synt_1b,dynamin,dynamin_2,GED,bZIP,M; 6.14
 426322; U63630; Hs.155637; protein kinase, DNA-activated, catalytic polypeptide; P13_P14_kinase,FAT,FATC;TM=M; 6.13
 417421; AL138201; Hs.82120; nuclear receptor subfamily 4, group A, member 2; hormone_rec,xf-C4;SS=M; 6.13
 425776; U25128; Hs.159499; parathyroid hormone receptor 2; 7tm_2,HRM;TM=Y;SS=M; 6.12
 422276; AF072873; Hs.114218; frizzled (Drosophila) homolog 6; Fz,Frizzled,7tm_2;TM=Y;SS=M; 6.12
 427490; Z95152; Hs.178595; mitogen-activated protein kinase 13; pkinase;TM=M; 6.12
 421445; AA913059; Hs.104433; Homo sapiens, clone IMAGE4054868, mRNA; ion_trans,K_tetra,asp; 6.11
 444143; AW747896; Hs.160899; ESTs, Moderately similar to A56194 thromboxane A-2 receptor, endothelial (H.eapians); Bcl-2,none; 6.10
 423887; AL080207; Hs.134585; DKFZP434G232 protein; ABC_tran;TM=Y; 6.10
 409636; AA306729; Hs.18272; amino acid transporter system A1; Aa_trans;TM=Y; 6.09
 411020; NM_006770; Hs.67726; macrophage receptor with collagenous structure; SRCR,Collagen;TM=Y;SS=M; 6.09
 425354; U62027; Hs.155935; complement component 3a receptor 1; 7tm_1;TM=Y;SS=M; 6.08
 439983; AW247529; Hs.6793; platelet-activating factor acetylhydrolase, isoform 1b, gamma subunit (29kD); PAF-AH_Ib,Lipase_GOSL;TM=M; 6.07
 421753; BE314828; Hs.107911; ATP-binding cassette, sub-family B (MDR/TAP), member 6; ABC_tran,ABC_membrane;TM=Y;SS=M; 6.07
 406908; Z25437; ; gb.H.sapiens protein-tyrosine kinase gene, complete cds; none,none; 6.07
 425849; AJ000512; Hs.296323; serum/glucocorticoid regulated kinase; pkinase,pkinase_C;TM=M;SS=M; 6.06
 452363; A1582743; Hs.94953; Homo sapiens, Similar to complement component 1, q subcomponent, alpha polypeptide, clone MGC:17279, mRNA, complete cds; C1q,Collagen;SS=M; 6.05
 414883; AA926960; ; CDC28 protein kinase 1; CKS; 6.05
 414166; AW868941; Hs.75769; N-myc downstream regulated; DEAD,helicase_C_rnm,Ndr,Cys_knot,TIL,vwa,vwc,vwd,IQ,Rila,abhydrolase,TGF-beta,DUF139,TPR,DSPC,isp_1,Ribosomal_S21_rvp;TM=M; 6.03
 452888; AW955454; Hs.30942; ephrin-B2; Ephrin.fr2;TM=Y;SS=M; 6.03
 448782; AL050295; Hs.22039; KIAA0758 protein; 7tm_2,Ig,GPS,SEA;TM=Y; 6.03
 449101; AA205947; Hs.23016; G protein-coupled receptor; 7tm_1;TM=Y;SS=M; 6.01
 445462; AA378776; Hs.288649; hypothetical protein MGC3077; none; 6.00
 424381; AA285249; Hs.148329; protein kinase Chk2; pkinase,FHA,DnaJ;TM=M; 6.00
 420162; BE378432; Hs.95677; cyclin-dependent kinase 4; pkinase;TM=M; 6.99
 439310; AF086120; Hs.102793; ESTs; casein_kappa,pkinase,Ig,none; 6.97
 414972; BE263782; Hs.77695; KIAA0008 gene product; GKAP;TM=M; 6.97
 425976; C76094; Hs.334514; NG22 protein; voltage_CLC;TM=Y;SS=M; 6.94
 444946; AW139205; Hs.156457; hypothetical protein FLJ22408; abhydrolase,abhydrolase_2;TM=Y;SS=M; 6.93
 411263; BE297802; Hs.69360; kinesin-like 6 (mitotic centromere-associated kinesin); kinesin;TM=M; 6.93
 421462; AF016495; Hs.104624; aquaporin 9; MIP;TM=Y;SS=M; 6.92
 426761; A1015709; Hs.172089; Homo sapiens mRNA; cDNA DKFZp586i2022 (from clone DKFZp586i2022); none;TM=Y;SS=M; 6.92
 407792; A1077715; Hs.39384; putative secreted ligand homologous to fxl1; none;TM=M;SS=Y; 6.91
 428771; AB028992; Hs.193143; KIAA1069 protein; C2,PI-PLC-Y,PI-PLC-X;TM=M; 6.91
 438564; AA381553; Hs.198253; major histocompatibility complex, class II, DQ alpha 1; Ig,MHC_II_alpha,none; 6.91

- 440006; AK000517; Hs.6844; hypothetical protein FLJ20510; AAA,NB-ARC,PAAD,DAPIN;NA; 5.90
 449027; AJ271216; Hs.22880; dipeptidylpeptidase III; Peptidase_M49,EGF,ig,Neuregulin;TM=M; 5.90
 408790; AW580227; Hs.47860; neurotrophic tyrosine kinase, receptor, type 2; Ig,pkinase,LRR,LRRNT,LRRCT;TM=Y;SS=M; 5.69
 413186; AU077141; Hs.75231; solute carrier family 16 (monocarboxylic acid transporters), member 1; sugar_tr;TM=Y;SS=M; 5.89
 430695; AA531276; Hs.69509; ESTs; pkinase,PP2C;none; 5.88
 422609; Z46023; Hs.118721; sialidase 1 (lysosomal sialidase); BNR,SH2,SH3,pkinase;TM=Y;SS=M; 5.88
 425367; BE271188; Hs.155975; protein tyrosine phosphatase, receptor type, C-associated protein; none;TM=M;SS=Y; 5.88
 429519; AL120751; Hs.211568; eukaryotic translation initiation factor 4 gamma, 1; none;none; 5.86
 437429; H79981; Hs.5613; Homo sapiens mRNA; cDNA DKFZp564E2222 (from clone DKFZp564E2222); SH2,SH3,BTB; 5.86
 436576; A458213; Hs.77542; ESTs; 7tm_1,DnaJ; 5.85
 429663; M68874; Hs.211587; phospholipase A2, group IVA (cytosolic, calcium-dependent); C2,FLA2_B;TM=M; 5.85
 419981; AA897581; Hs.128773; ESTs; pkinase,DAG_PIE-bind,pkinase_C,OPR;none; 5.83
 428953; AA306510; Hs.348183; tumor necrosis factor receptor superfamily, member 6b, decoy; 60s_ribosomal,Ribosomal_L10,TNFR_c6,DEAD; 5.83
 414806; D14694; Hs.77329; phosphatidylserine synthase 1; PSS;TM=Y;SS=M; 5.82
 451320; AW118072; Hs.2052; diacylglycerol kinase, zeta (104kD); none;TM=M; 5.82
 400991; ; Target Exon; Armadillo_seg,lectin_c;none; 5.81
 456808; AF117646; Hs.156637; Cas-Br-M (murine) ectropic retroviral transforming sequence c; zfc3HC4,Cbl_N,Cbl_N2,Cbl_N3;TM=M; 5.81
 434263; N34686; Hs.44648; ESTs; ig;none; 5.81
 428293; BE250944; Hs.183556; solute carrier family 1 (neutral amino acid transporter), member 5; sIF6,SDF;TM=M; 5.78
 421959; AW761497; Hs.98370; cytochrome P450, subfamily IIS, polypeptide 1; p450;TM=Y;SS=M; 5.78
 449639; W80863; Hs.58446; ESTs; pkinase,Furin-like,Recep_L_domain;none; 5.77
 409012; AL117435; Hs.49725; DKFZP434I216 protein; PH,RhoGEF;TM=M;SS=M; 5.77
 412276; BE262621; Hs.73798; macrophage migration inhibitory factor (glycosylation-inhibiting factor); MIF,sugar_tr;none; 5.75
 409533; AW999543; Hs.21291; mitogen-activated protein kinase kinase kinase 13; Peptidase_C48;none; 5.73
 457001; J03256; Hs.2052; vitamin D (1,25- dihydroxyvitamin D3) receptor; hormone_rec,zf-C4,Metallothio_5;TM=M; 5.73
 416084; L16891; Hs.79008; deoxythymidylate kinase (thymidylate kinase); none;none; 5.72
 448668; BE382657; Hs.21486; signal transducer and activator of transcription 1, 91kD; SH2,STAT,STAT_bind,STAT_prot;TM=M; 5.72
 452295; BE379936; Hs.28865; programmed cell death 10; serpin;none; 5.72
 448775; AB025237; Hs.338; nudix (nucleoside diphosphate linked moiety X)-type motif 1; NUDIX;TM=M;SS=M; 5.72
 448733; NM_005628; Hs.187958; solute carrier family 6 (neurotransmitter transporter, creatine), member 8; SNF;TM=Y; 5.71
 417015; W83772; Hs.80876; flavin containing monooxygenase 3; FMO-like,pyr_redox;TM=Y;SS=M; 5.69
 453323; AF034102; Hs.32951; solute carrier family 29 (nucleoside transporters), member 2; Nucleoside_tran;TM=Y;SS=M; 5.69
 410290; AA026307; Hs.322844; hypothetical protein DKFZp564A176; Sema,PSI,TIG,Integrin_B;TM=Y;SS=M; 5.69
 412182; AA205588; Hs.155180; Splicing factor, arginine/serine-rich, 48kD; rrm,hormone_rec,zf-C4,sugar_tr; 5.69
 418528; BE019020; Hs.85838; solute carrier family 18 (monocarboxylic acid transporters), member 3; none;TM=Y;SS=M; 5.68
 447250; A876909; Hs.17883; protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform; PP2C;TM=M; 5.65
 438113; A467908; Hs.8682; ESTs; 7tm_1;none; 5.65
 421391; AW304350; Hs.191958; immunoglobulin superfamily receptor translocation associated 2; ig;none; 5.64
 417115; AW952732; Hs.334612; small nuclear ribonucleoprotein polypeptide E; Sm,pkinase; 5.64
 406137; ; NM_000179; Homo sapiens mts (E. coli) homolog 6 (MSH6), mRNA. VERSION NM_000178.1 GI; Mts_C,PWWP,Mts_N;TM=M; 5.63
 421917; AB028943; Hs.109445; KIAA1020 protein; BTB,zf-C2H2,P13_P14_kinase,P13Ka;TM=M; 5.62
 445873; AA250970; Hs.251946; poly(A)-binding protein, cytoplasmic 1-like; PABP,rrm,pkinase,14-3-3; 5.62
 447365; BE383678; Hs.334; Rho guanine nucleotide exchange factor (GEF) 5; SH3,PH,RhoGEF;TM=M; 5.61
 446872; X97058; Hs.16362; pyrimidinergic receptor P2Y, G-protein coupled, 8; 7tm_1;TM=Y;SS=M; 5.59
 433662; W07162; Hs.150826; CATX-8 protein; ras,ABC_tran,af;TM=M;SS=M; 5.59
 449029; N28988; Hs.22891; solute carrier family 7 (cationic amino acid transporter, y system), member 8; aa_permeases;TM=Y;SS=M; 5.58
 431238; AV656840; Hs.285115; Interleukin 13 receptor, alpha 1; tn3;TM=Y;SS=M; 5.57
 430508; A1015435; Hs.104637; ESTs; SDF;TM=Y;SS=M; 5.56
 426227; U67058; Hs.154299; Human proteinase activated receptor-2 mRNA, 3'UTR; 7tm_1;TM=Y;SS=M; 5.55
 421677; H84092; Hs.38282; ESTs; Afp,Armadillo_seg,IBB; 5.54
 429083; Y09397; Hs.227817; BCL2-related protein A1; Bcl-2;TM=M; 5.54
 429563; BE519413; Hs.2437; eukaryotic translation initiation factor 2b, subunit 5 (epsilon, 82kD); hexapep,W2,hormone2,DUF29;TM=M; 5.52
 412817; AL037159; Hs.74619; proteasome (prosome, macropain) 26S subunit, non-ATPase, 2; PC_rep;TM=M; 5.51
 452291; AF015592; Hs.28853; CDC7 (cell division cycle 7, S. cerevisiae, homolog)-like 1; pkinase;TM=M; 5.51
 437412; BE069288; Hs.34744; Homo sapiens mRNA; cDNA DKFZp547C135 (from clone DKFZp547C135); ABC_tran,GTP_EFTU,ABC_membrane;none; 5.50
 423778; Y09267; Hs.132821; flavin containing monooxygenase 2; FMO-like,pyr_redox;TM=Y;SS=M; 5.48
 422946; BE513934; Hs.1553; neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1); SH3,PX;TM=M; 5.48
 434899; AA643687; Hs.149425; Homo sapiens cDNA FLJ11980 fls, clone HEMBB1001304; Nucleoside_tra2;none; 5.48
 428691; NM_008201; Hs.171834; PCTAIRE protein kinase 1; pkinase;TM=M; 5.48
 453905; NM_002314; Hs.36565; LIM domain kinase 1; pkinase,LIM,PDZ,zf-PARP;TM=M; 5.48
 412939; AW411491; Hs.75069; eukaryotic translation elongation factor 1 gamma; none;none; 5.44
 430486; BE062108; Hs.241551; chloride channel, calcium activated, family member 2; none;TM=Y;SS=M; 5.43
 430066; A1929599; Hs.237825; signal recognition particle 72kD; TPR,AIRC,BAICAR_synt; 5.40
 422241; Y00062; Hs.170121; protein tyrosine phosphatase, receptor type, C; kinesin,fn3,Y_phosphatase;TM=M; 5.40
 411826; AK000334; Hs.72289; hypothetical protein FLJ20327; SNF,Zp;TM=Y; 5.36
 400205; ; NM_005265; Homo sapiens RAD21 (S. pombe) homolog (RAD21), mRNA.[APO-1/CD95 (Fas)-associated phosphatase] (PTPN13), mRNA; DUF173;SS=M; 5.35
 410687; U24389; Hs.65436; lysyl oxidase-like 1; Lysyl_oxidase;SS=M; 5.34
 407788; AA687538; Hs.38972; tetraspan 1; transmembrane4;TM=Y;SS=M; 5.34
 425118; AU076611; Hs.154672; methylene tetrahydrofolate dehydrogenase (NAD dependent), methenyltetrahydrofolate cyclohydrolase; myb_DNA-binding,THF_DHG_CYH,THF_DHG_CYH_C,GAP_GLY,AAA,LON,Peptidase_C8,bZIP,M_xan_ur_permease,HCO3_potransp;TM=M; 5.32
 400210; ; Eos Control; Adap_comp_sub,Clat_adaptor_s;TM=M; 5.32
 414825; X06370; Hs.77432; epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog); Furin-like,pkinase,Recep_L_domain;TM=M;SS=M; 5.31
 414035; Y00630; Hs.75716; serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 2; serpin;SS=M; 5.30
 416000; R82342; Hs.78658; ESTs; Weakly similar to S65667 alpha-1C-adrenergic receptor splice form 2 [H.sapiens]; none;sugar_tr; 5.30
 414358; W70171; Hs.75839; uridine monophosphate kinase; PRK,CoaE; 5.29
 424321; W74048; Hs.1765; lymphocyte-specific protein tyrosine kinase; SH2,SH3,pkinase;TM=M; 5.29
 450293; AL041949; Hs.24756; hepatocyte growth factor-regulated tyrosine kinase substrate; none;none; 5.29
 456672; AK002016; Hs.114727; Homo sapiens, clone MGC:16327, mRNA, complete cds; none,PK,PK_C,myosin_head,RhoGAP; 5.28
 410068; A1633688; Hs.58435; FYN-binding protein (FYB-120130); SH3;TM=M; 5.28
 456629; AW891965; Hs.279788; histone deacetylase 3; HSP90,HATPase_c,zf-C2H2,PHD;none; 5.27
 417218; AA005247; Hs.285754; met proto-oncogene (hepatocyte growth factor receptor); pkinase,Sema,PSI,TIG,Integrin_B;TM=Y;SS=M; 5.26
 444051; M48373; Hs.10247; activated leucocyte cell adhesion molecule; none;none; 5.26

- 404083; ; C6002159; gij628027[pr]jA53593 protein-tyrosine-phosphatase (EC 3.1.3.48), nonreceptor ty; none;SS=M; 5.26
 422051; AW327546; Hs.111024; solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1; mito_car;TM=M; 5.26
 419034; NM_002110; Hs.89555; hemopoietic cell kinase; SH2,SH3,pkinase;TM=M; 5.26
 427732; NM_002980; Hs.2199; secretin receptor; 7tm_2,HRM;TM=M;SS=M; 5.25
 425921; NM_007231; Hs.162211; solute carrier family 6 (neurotransmitter transporter), member 14; SNF;TM=Y;SS=M; 5.25
 448030; N30714; Hs.325960; membrane-spanning 4-domains, subfamily A, member 4A; none;TM=Y;SS=M; 5.24
 441607; NM_005010; Hs.7912; neuronal cell adhesion molecule; WD40,fn3,jg;TM=M; 5.23
 446620; AA128808; Hs.179902; transporter-like protein; none;TM=Y;SS=M; 5.23
 422616; BE300330; Hs.118725; selenophosphate synthetase 2; AIRS,AIRS_C;TM=M; 5.23
 447131; NM_004585; Hs.17466; retinoic acid receptor responder (tazarotene induced) 3; none;TM=Y; 5.21
 446272; BE268912; Hs.14601; hematopoietic cell-specific Lyn substrate 1; SH3,HS1_rep;TM=M; 5.20
 450447; AF212223; Hs.25010; hypothetical protein P15-2; NTF2;TM=M; 5.19
 425003; AF119046; Hs.154149; apurinic/apyrimidinic endonuclease(APEX nuclease)-like 2 protein; Troponin,Exo_endo_phos,IQ;TM=M; 5.19
 446636; AC002563; Hs.15767; citron (rho-interacting, serine/threonine kinase 21); CNH,DAG_PE-bnd,PH,Involucrin,M;TM=M; 5.19
 434826; AF155661; Hs.22265; pyruvate dehydrogenase phosphatase; PP2C,none; 5.19
 447081; Y13896; Hs.17287; potassium inwardly-rectifying channel, subfamily J, member 15; IRK;TM=Y; 5.19
 407949; W21874; Hs.247057; ESTs, Weakly similar to 2109260A B cell growth factor (H.sapiens); Ribosomal_S14,ank,pkinase,death,none; 5.18
 442200; AW590572; Hs.236768; ESTs; none,none; 5.18
 446566; H95741; Hs.17914; membrane-spanning 4-domains, subfamily A, member 6A; none;TM=Y;SS=M; 5.18
 452690; AI536070; Hs.15085; ESTs; pou,homeobox,lgl_chan,ANF_receptor; 5.18
 419138; U48508; Hs.89631; ryanodine receptor 1 (skeletal); Ion_trans,SPRY,RYDR,JTPR,RyR,MIR;TM=Y; 5.17
 431441; U81961; Hs.2794; sodium channel, nonvoltage-gated 1 alpha; ASC;TM=Y; 5.16
 418945; BE246762; Hs.89495; arachidonate 5-lipoxygenase; lipoxygenase,PLAT;TM=M; 5.16
 407601; AC002300; Hs.37129; sodium channel, nonvoltage-gated 1, beta (Liddle syndrome); ASC;TM=Y;SS=M; 5.15
 429500; X78565; Hs.289114; hexabrachion (taxacin C, cytactin); EGF,fn3,florigen_C,toxin_2,Keratin_B2;TM=M;SS=Y; 5.15
 411994; NM_005419; Hs.72988; signal transducer and activator of transcription 2, 113kD; SH2,STAT,STAT_bnd,STAT_prot;TM=M; 5.15
 433470; AW960564; ; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 5.14
 452817; AA322859; Hs.284275; Homo sapiens PAK2 mRNA, complete cds; pkinase,PBD;TM=M; 5.14
 453102; NM_007197; Hs.31664; frizzled (Drosophila) homolog 10; Fz,Frizzled,7tm_2;TM=Y;SS=M; 5.14
 427792; M63928; Hs.180841; tumor necrosis factor receptor superfamily, member 7; SRP14,TNFR_c6;SS=M; 5.14
 430563; AA481269; ; ATP-binding cassette, sub-family C (CFTR/MRP), member 5; ABC_tran,GTP_EFTU,ABC_membrane,none; 5.13
 431581; AK000378; Hs.257566; hypothetical protein FLJ20371; sugar_tr;TM=Y; 5.12
 431183; NM_006855; Hs.250896; KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3; ER_lumen_recept;TM=M;SS=M; 5.12
 417771; AA804698; Hs.82547; retinoic acid receptor responder (tazarotene induced) 1; none,none; 5.11
 418613; AA744529; Hs.85575; mitogen-activated protein kinase kinase kinase kinase 1; pkinase,CNH;TM=M; 5.11
 409524; AW402151; Hs.54673; tumor necrosis factor (ligand) superfamily, member 13; TNF;TM=Y;SS=M; 5.11
 436856; AI469365; Hs.127310; ESTs; pkinase,rm;TM=M; 5.09
 411298; BE207307; Hs.10114; growth suppressor 1; 2OG-Fall_Oxy;TM=M;SS=M; 5.09
 410082; AA081594; Hs.158311; Musashi (Drosophila) homolog 1; nm;TM=M; 5.09
 404440; ; NM_021048;Homo sapiens melanoma antigen, family A, 10 (MAGEA10), mRNA, VERSION NM_021048.1 GI; MAGE;TM=M; 5.08
 424977; AA349289; Hs.100057; Homo sapiens cDNA: FLJ22902 fls, clone KAT05581; none,none; 5.08
 422100; AI095988; Hs.111554; ADP-ribosylation factor-like 7; arf,ras;TM=M; 5.07
 452222; AW808287; Hs.21432; SEX gene; Sema,TIG,PSI,GDI; 5.07
 430300; U60805; Hs.238648; oncostatin M receptor; fn3;TM=Y;SS=M; 5.07
 408369; R38438; Hs.182575; solute carrier family 15 (H?? transporter), member 2; PTR2;TM=Y; 5.07
 422112; BE540240; Hs.111783; Lsm1 protein; Sm,BAG;SS=M; 5.06
 449861; AW265634; Hs.133100; ESTs; pkinase,Furin-like,Recep_L_domain,none; 5.06
 430024; AU808780; Hs.227730; Integrin, alpha 6; Integrin_A,FG-GAP;TM=Y;SS=M; 5.06
 412641; M16660; Hs.74335; heat shock 90kD protein 1, beta; HSP90,HATPase_c;TM=M; 5.05
 437600; AA761605; Hs.292308; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY (H.sapiens); pkinase,RIO1,none; 5.05
 400296; AA305627; Hs.139336; ATP-binding cassette, sub-family C (CFTR/MRP), member 4; ABC_tran,ABC_membrane;TM=Y; 5.04
 448232; AI281848; Hs.194691; retinoic acid induced 3; 7tm_3,none; 5.04
 425252; D87119; Hs.155418; GS3955 protein; pkinase;SS=M; 5.04
 414703; BE243877; Hs.76941; ATPase, Na? transporting, beta 3 polypeptide; Na_K-ATPase;TM=Y;SS=M; 5.03
 434808; AF155108; Hs.258150; Homo sapiens, Similar to RIKEN cDNA 2810027Q19 gene, clone MGC:14827, mRNA, complete cds; none;TM=M; 5.03
 425952; AK001504; Hs.159651; death receptor 6, TNF superfamily member 21; death,TNFR_c6;TM=Y;SS=M; 5.03
 449437; AI702038; Hs.100057; Homo sapiens cDNA: FLJ22902 fls, clone KAT05581; none,none; 5.03
 448913; AA194422; Hs.22564; myosin VI; rrm,zf-RanBP,pkinase,GST_C,Ets,SAM_PNT,ABC2_membrane,myosin_head,IQ,Myosin_bZIP,zf-C2H2,PHD,BTB,TFIIA,AT_hook,SAM;TM=M; 5.02
 413441; AI929374; Hs.75367; Bro-like-adapter; SH2,SH3;TM=M; 5.02
 427618; NM_000760; Hs.2175; colony stimulating factor 3 receptor (granulocyte); fn3;TM=M;SS=M; 5.02
 417666; AI346001; Hs.82380; menage a trois 1 (CAK assembly factor); zf-C3HC4;TM=M; 5.02
 429503; AL134197; Hs.93597; cyclin-dependent kinase 5, regulatory subunit 1 (p35); CDK5_activator,none; 5.01
 445333; BE537641; Hs.44276; hypothetical protein FLJ12538 similar to ras-related protein RAB17; ras,arf,TK;SS=M; 5.01
 426285; U20620; Hs.343581; karyopherin alpha 1 (importin alpha 5); Armadillo_seg,IJB;TM=M; 5.01
 421233; AA209534; Hs.284243; tetraspan NET-6 protein; transmembrane4;TM=Y;SS=M; 5.01
 424517; AI539443; Hs.137447; Homo sapiens cDNA FLJ12169 fls, clone MAMMA1000643; SH2,STAT,STAT_bnd,STAT_prot,none; 5.00
 425345; AU077297; Hs.155694; protein tyrosine phosphatase, non-receptor type 1; Y_phosphatase,DSPc;TM=M;SS=M; 5.00
 446946; AI878932; Hs.317; topoisomerase (DNA) I; Topoisomerase_I,Topoisomer_L,N,RmaAD,Hanta_nucleocap;TM=M; 4.99
 413900; AW409747; Hs.75612; stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein); TPR,PDZ,VWV,Guanylate_kin;TM=M; 4.98
 412118; AW402166; Hs.784; Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor); 7tm_1;TM=Y;SS=M; 4.98
 400792; AA635062; ; Homo sapiens mRNA; cDNA DKFZp434O0515 (from clone DKFZp434O0515); zf-C3HC4,CARD,BIR;TM=M; 4.98
 417018; M16035; Hs.80887; v-yes-1 Yamaguchi sarcoma viral related oncogene homolog; SH2,SH3,pkinase;TM=M; 4.98
 427247; AW504221; Hs.174103; Integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide); vwa,Integrin_A,FG-GAP;TM=Y;SS=M; 4.98
 442080; AW444761; Hs.44565; ESTs; ank; 4.97
 454042; H22570; ; hypothetical protein FLJ20093; ig,pkinase,LRR,LRRNT,LRRCT,none; 4.97
 452698; NM_001295; Hs.301921; chemokine (C-C motif) receptor 1; 7tm_1;TM=Y;SS=M; 4.96
 416276; U41080; Hs.79136; LJV-1 protein, estrogen regulated; Peptidase_C4,Osteopontin,Zip;TM=Y;SS=M; 4.96
 408847; AW290997; Hs.30348; ESTs; pkinase,ig,none; 4.96
 419452; U33035; Hs.90572; PTK7 protein tyrosine kinase 7; ig,pkinase;TM=Y;SS=M; 4.95
 450737; AW007152; Hs.203330; ESTs; trypsin_id_recept_a,none; 4.95
 443354; AW970672; Hs.9247; protein kinase, AMP-activated, alpha 1 catalytic subunit; pkinase,RIO1;TM=M; 4.94

- 414135; NM_004418; Hs.2128; dual specificity phosphatase 5; Rhodanese, DSPc, Y_phosphatase; TM=M; 4.94
 424247; X14008; Hs.234734; lysoczyme (renal amyloidosis); lys, ig, FAD_Synth, lth, C, pkinae; SS=M; 4.94
 434206; AW136973; Hs.180479; ESTs, Weakly similar to S59890 mitogen inducible gene mlg-2 [H.sapiens]; PH; TM=M; 4.93
 418870; AF147204; Hs.89414; chemokine (C-X-C motif), receptor 4 (fusin); 7tm_1, 7tm_2; TM=Y; SS=M; 4.93
 408716; A1567839; Hs.151714; Homo sapiens mRNA for KIAA1769 protein, partial cds; UvrD-helicase, RNB, Runt; TM=M; 4.93
 426437; BE076537; Hs.169895; ubiquitin-conjugating enzyme E2L 6; Armadillo_seg, UQ_con, none; 4.92
 424241; AW995948; Hs.182339; Homo sapiens pyruvate dehydrogenase kinase 4 mRNA, 3' untranslated region, partial sequence; Ebs, SAM_PNT; TM=M; 4.92
 414570; Y00285; Hs.76473; insulin-like growth factor 2 receptor; tn2, CIMR; TM=M; SS=M; 4.92
 407239; AA076350; Hs.67846; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4; Ig; TM=Y; SS=M; 4.92
 409512; AW979187; Hs.253591; melanoma differentiation associated protein-5; DEAD, helicase, C_CARD; TM=M; 4.91
 416714; AF283770; Hs.79530; CD79A antigen (immunoglobulin-associated alpha); Ig, ITAM, Zn_cus; TM=Y; SS=M; 4.91
 404289; ; NM_002944; Homo sapiens v-ros avian UR2 sarcoma virus oncogene homolog 1 (ROS1), mRNA; tn3, pkinae, DUF139; TM=Y; SS=M; 4.90
 426141; D50402; Hs.182611; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1; Nramp; TM=Y; 4.90
 407853; AA336797; Hs.40499; dickkopf (Xenopus laevis) homolog 1; none; TM=M; SS=Y; 4.89
 432179; X75208; Hs.2913; EphB3; EPH_lbd, tn3, pkinae, SAM; TM=Y; SS=M; 4.89
 401083; ; NM_016582; Homo sapiens peptide transporter 3 (LOC51296), mRNA. VERSION NM_016579.1 GI; PTR2; TM=Y; SS=M; 4.89
 402211; AA811738; KIAA0430 gene product; ion_trans, K_tetra; TM=Y; 4.88
 421541; NM_003942; Hs.105584; ribosomal protein S6 kinase, 90kD, polypeptide 4; pkinae, pkinae_C; TM=M; 4.87
 431810; X67155; Hs.270845; kinesin-like 5 (mitotic kinesin-like protein 1); kinesin; TM=M; 4.86
 425295; AA431366; Hs.37251; ESTs; pkinae; none; 4.85
 424439; AA579635; Hs.1770; ligase I, DNA, ATP-dependent; DNA_ligase; 4.86
 419166; A1336132; Hs.33718; Homo sapiens cDNA FLJ12641 fis, clone NT2RM4001953; none, none; 4.86
 442875; BE623003; Hs.23625; Homo sapiens clone TCCGA00142 mRNA sequence; K_tetra, DUF51, none; 4.86
 425465; L18964; Hs.1904; protein kinase C, iota, pkinae, DAG_PE-bind, pkinae_C, OPR; TM=M; 4.86
 410293; AK000047; Hs.61950; hypothetical protein; K_tetra; TM=M; 4.86
 443623; AA345519; Hs.9641; complement component 1, q subcomponent, alpha polypeptide; C1q, Collagen; SS=M; 4.85
 445903; A1347487; Hs.132781; class I cytokine receptor; tn3; TM=Y; 4.85
 427509; M62505; Hs.2161; complement component 5 receptor 1 (C5a ligand); 7tm_1; TM=Y; SS=M; 4.85
 428820; AA436187; Hs.172831; integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide); vwa, Integrin_A, FG-GAP; TM=Y; SS=M; 4.84
 445143; U29171; Hs.75852; casein kinase 1, delta; zf-C3HC4, Filamin, zf-B_box, NHL, pkinae, zf-MZ; TM=M; 4.82
 427157; U51166; Hs.173824; thymine-DNA glycosylase; UDG; TM=M; 4.81
 427857; AL133017; Hs.2210; hypothetical protein FLJ22865; myosin_head, IQ, zf-MYND; TM=M; SS=M; 4.81
 422293; X94453; Hs.114368; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase); aldedh, aakinae; TM=M; 4.81
 414280; BE410769; Hs.75973; zyxin; LIM, ig, pkinae; TM=M; SS=M; 4.81
 424570; AA343306; Hs.133511; ESTs; SH3; ank, none; 4.80
 451144; AW956103; Hs.61712; pyruvate dehydrogenase kinase, isoenzyme 1; HATPase_c, none; 4.80
 402705; AA214618; ; activator of S phase kinase; Atp-C-TSA; TM=M; SS=M; 4.80
 410024; AW191024; Hs.55016; hypothetical protein FLJ21935; SH3; TM=M; 4.80
 419972; AL041485; Hs.182882; golgin-67; none, none; 4.80
 427127; AW802282; Hs.22266; pyruvate dehydrogenase phosphatase; PP2C, none; 4.80
 413476; U25349; Hs.75393; acid phosphatase 1, soluble; LMWP; TM=M; SS=M; 4.80
 415801; R24219; Hs.278443; Fc fragment of IgG, low affinity IIb, receptor for (CD32); Ig; TM=Y; 4.79
 402233; ; NM_030760; Homo sapiens endothelial differentiation, sphingolipid G-protein-coupled receptor, 8 (EDG8), mRNA; 7tm_1; TM=Y; SS=M; 4.79
 448153; Y10605; Hs.20521; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2; NusG; SS=M; 4.79
 407722; BE252241; Hs.38041; pyridoxal (pyridoxine, vitamin B6) kinase; ptkB; TM=M; 4.79
 405370; ; NM_005589; Homo sapiens LIM domain kinase 2 (LIMK2), transcript variant 2a, mRNA; pkinae, LIM, PDZ; SS=M; 4.79
 416498; U53532; Hs.79351; potassium channel, subfamily K, member 1 (TWIK-1); ion_trans; TM=Y; SS=M; 4.78
 429921; AA526911; Hs.82772; collagen, type XI, alpha 1; Collagen, COL1, TSPN, laminin_G, CorA; SS=M; 4.78
 424415; NM_001975; Hs.146580; enolase 2, (gamma, neuronal); enolase; TM=M; 4.78
 433133; A8027249; Hs.104741; PDZ-binding kinase; T-cell originated protein kinase; pkinae; TM=M; 4.78
 431629; AU077025; Hs.258827; Interferon, alpha-inducible protein (clone IFI-6-16); none; TM=M; SS=Y; 4.78
 417829; R27219; Hs.74547; Human T-cell receptor active alpha-chain mRNA from JM cell line, complete cds; ig, abhydrolase; 4.78
 450334; AF035959; Hs.24879; phosphatidic acid phosphatase type 2C; PAP2; TM=Y; SS=M; 4.78
 447674; BE270640; Hs.79192; cyclin-dependent kinase 2; pkinae; SS=M; 4.77
 409744; AW676258; Hs.56265; Homo sapiens mRNA; cDNA DKFZp566P2321 (from clone DKFZp566P2321); none; NA; NA; 4.77
 446196; A1744888; Hs.149470; ESTs; zf-C3HC4, Sulfate_transp, STAS; 4.77
 429305; AF095727; Hs.267832; myelin protein zero-like 1; ig, transmembrane4; TM=Y; SS=M; 4.77
 426812; AF105365; Hs.172613; solute carrier family 12 (polysulfonichloride transporters), member 7; none; TM=Y; 4.77
 425811; AL039104; Hs.159597; karyopherin alpha 2 (RAG cohort 1, importin alpha 1); Armadillo_seg, IBB, DEAD, helicase_C, Sec63, BDT, PHD, bromodomain; TM=M; 4.77
 444664; N26362; Hs.11615; map kinase phosphatase-like protein MK-STYX; DSPc; TM=M; 4.77
 452256; AK000933; Hs.28661; Homo sapiens cDNA FLJ10071 fis, clone HEMBA1001702; GDI, 7tm_1, none; 4.76
 447207; AA442233; Hs.17731; hypothetical protein FLJ12892; none; TM=M; 4.76
 400848; ; sortilin-related receptor, (DLR class) A repeats-containing (SORL1); EGF, tn3, ltr_recept_a, ltr_recept_b, granulin, BNR; TM=Y; SS=M; 4.76
 452355; N54926; Hs.29202; G protein-coupled receptor 34; 7tm_1, OATP_C; TM=Y; 4.75
 406809; AF000574; Hs.22405; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2; Ig, Geminl_mov; TM=M; SS=M; 4.75
 427378; BE515037; Hs.177556; melanoma antigen, family D, 1; MAGE; TM=M; 4.75
 444042; NM_004915; Hs.10237; ATP-binding cassette, sub-family G (WHITE), member 1; ABC_tran, PRK, GBP; TM=Y; 4.74
 410408; A1959703; Hs.1466; glycerol kinase; FGGY, FGGY_C; TM=M; 4.73
 411653; AF070578; Hs.71168; Homo sapiens clone 24674 mRNA sequence; none; NA; NA; 4.73
 437887; BE616412; Hs.286218; junctional adhesion molecule 1; none; HLH; 4.73
 417781; BE279380; Hs.82563; KIAA0153 protein; TTL_Acyl_transf; 4.73
 453956; BE148734; Hs.63325; transmembrane protease, serine 4; trypsin, ltr_recept_a, none; 4.73
 412228; AW503785; Hs.73792; complement component (3d/Epstein Barr virus) receptor 2; sushi; TM=Y; SS=M; 4.73
 418255; AW135405; Hs.37251; ESTs; pkinae; none; 4.73
 413472; BE242870; Hs.76379; solute carrier family 1 (glial high affinity glutamate transporter), member 3; SDF; TM=Y; SS=M; 4.73
 406906; Z25424; ; gb-H.sapiens protein-serine/threonine kinase gene, complete CDS; none, none; 4.73
 432065; AA401039; Hs.2803; protein phosphatase 4 (formerly X), catalytic subunit; Metallophos; TM=M; 4.72
 424809; S78187; Hs.153752; cell division cycle 25B; Rhodanese; SS=M; 4.72
 422699; BE387202; Hs.118638; non-metastatic cells 1, protein (NM23A) expressed in; NDK, PH, Oxytetrol_BP; SS=M; 4.71
 426136; AW957239; ; gb:EST369309 MAGE resequences, MAGD Homo sapiens cDNA, mRNA sequence; PP2C, none; 4.71
 446203; Z47553; Hs.14286; flavin containing monooxygenase 5; FMO-like, pyr_redox; TM=Y; SS=M; 4.71
 451295; A1557212; Hs.17132; ESTs, Moderately similar to I54374 gene NF2 protein [H.sapiens]; pkinae, DAG_PE-bind, pkinae_C, OPR, none; 4.71

- 424099; AF071202; Hs.139336; ATP-binding cassette, sub-family C (CFTR/MRP), member 4; ABC_tran,ABC_membrane;TM=Y;; 4.70
- 424959; NM_005781; Hs.153937; activated p21cdc42h kinase; lch,lch_C,SH3,phkase,UBA;TM=M;; 4.70
- 427206; NM_004586; Hs.173965; ribosomal protein S6 kinase, 90kD, polypeptide 3; none,none; 4.70
- 421662; NM_014141; Hs.106552; cell recognition molecule Caspr2; EGF,F5_F8_type_C,laminin_G,Sulfate_transp,STAS,7tm_3,ran_ur,permease;TM=Y;SS=M; 4.70
- 413431; AW246428; Hs.75355; ubiquitin-conjugating enzyme E2N (homologous to yeast UBC13); UQ_con;TM=M;; 4.70
- 405484; ; C3002124;gij12737280[ref]XP_006682.2] keratin 18 (Homo sapiens)[[6633; none;SS=M; 4.70
- 401345; M83738; ; protein tyrosine phosphatase, non-receptor type 9; none;TM=M;; 4.70
- 416602; NM_005155; Hs.79389; nel (chicken)-like 2; EGF,vwc,TSPN;SS=Y; 4.69
- 412507; L36646; Hs.73964; EphA4; fn3,phkase,SAM,EPH_Jbd;TM=Y;SS=M; 4.69
- 437897; AA770561; Hs.146170; hypothetical protein FLJ22989; zf-DHHC;none; 4.69
- 432886; BE158028; Hs.279704; chromatin accessibility complex 1; none;TM=M; 4.69
- 400843; ; NM_003106*Homo sapiens scribble-related receptor, L(DLR class) A repeats-containing (SORL1), mRNA;
EGF,fn3,ldl_recept_a,ldl_recept_b,granulin,BNR;TM=Y;SS=M; 4.68
- 433409; AI278802; Hs.25861; ESTs; phkase,phkase; 4.68
- 413869; NM_000878; Hs.75599; Interleukin 2 receptor, beta; none;TM=Y;SS=M; 4.68
- 430259; BE560182; Hs.127826; RasGEF-like protein 3, mouse homolog; fn3,RA,RasGEF;TM=M;SS=M; 4.68
- 425761; AW664214; Hs.196729; ESTs; SH3,Ribosomal_S3Ac; 4.68
- 419441; AK000106; Hs.272227; Homo sapiens cDNA FLJ20099 fls, clone COL04544; phkase,Furin-like,Recep_L_domain;none; 4.68
- 419493; AF001212; Hs.80744; proteasome (prosome, macropain) 26S subunit, non-ATPase, 11; CDK5_activator,PCI;none; 4.67
- 425986; NM_001761; Hs.1973; cyclin F; cyclin,F-box,cyclin_C;TM=M;; 4.67
- 408056; AA312329; Hs.42331; ephrin-A4; Ephrin;TM=M;SS=M; 4.67
- 453476; AI640500; Hs.24833; SAM domain, SH3 domain and nuclear localisation signals, 1; SH3,SAM;SS=M; 4.67
- 412926; AI879076; Hs.75061; macrophage myristoylated alanine-rich C kinase substrate; MARCKS;SS=M; 4.67
- 424635; AA420587; Hs.115455; Homo sapiens cDNA FLJ14259 fls, clone PLACE1001076; phkase,Furin-like,Recep_L_domain;none; 4.66
- 446051; BE048061; Hs.37054; ephrin-A3; Ephrin,A_deamin,dsm,z-alpha; 4.66
- 436729; BE621807; ; transmembrane 4 superfamily member 1; none;TM=Y;SS=M; 4.66
- 408204; AA454501; Hs.43666; protein tyrosine phosphatase type IVA, member 3; Y_phosphatase;TM=M;; 4.66
- 435542; AA687376; ; ESTs; SH3,jg,phkase,PH,spectrin,RhoGEF;none; 4.66
- 429582; NM_006306; Hs.211602; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1; ABC_tran,SMC_N,SMC_C,KID;TM=M; 4.66
- 417497; AW402482; Hs.82212; CD53 antigen; transmembrane4;TM=Y;SS=M; 4.66
- 418736; I18979; Hs.87906; Smc2-related CBP activator protein; helicase_C,AT_hook,SNF2_N;TM=M; 4.65
- 415117; AF120499; Hs.78016; polynucleotide kinase 3'-phosphatase; Viral_helicase1;TM=M; 4.65
- 418529; BE247550; Hs.86859; growth factor receptor-bound protein 7; SH2,PH,RA;SS=M; 4.65
- 426108; AA622037; Hs.166468; programmed cell death 5; DUF122;TM=M; 4.64
- 429263; AA019004; Hs.198396; ATP-binding cassette, sub-family A (ABC1), member 4; ABC_tran,SRP54;TM=Y;SS=M; 4.64
- 431886; L77964; Hs.271980; mitogen-activated protein kinase 6; phkase;TM=M; 4.63
- 435049; AL122067; Hs.4746; hypothetical protein FLJ21324; none;TM=M; 4.63
- 437763; AA489389; Hs.5831; tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor); TIMP,phkase,DAG_PE-bind,RBD; 4.63
- 413436; AF238083; Hs.68061; sphingosine kinase 1; DAGK;TM=M; 4.63
- 421846; AA017707; Hs.1432; protein kinase C substrate 80K-H; ehfand,ldl_recept_a;SS=M; 4.62
- 442590; AI002886; Hs.130313; ESTs; none,Y_phosphatase,Band_41,connexin; 4.62
- 416224; K002902; Hs.79088; reticulocalbin 2, EF-hand calcium binding domain; ehfand;SS=M; 4.62
- 423740; Y07701; Hs.293007; aminopeptidase puromycin sensitive; Peptidase_M1,Armadoillo_sag; 4.61
- 429300; AB011108; Hs.198891; serine/threonine-protein kinase PRP4 homolog; phkase;TM=M; 4.60
- 447232; AW499834; Hs.327; interleukin 10 receptor, alpha; none;TM=M;SS=M; 4.60
- 412942; AL120344; Hs.75074; mitogen-activated protein kinase-activated protein kinase 2; phkase;TM=M; 4.60
- 419596; BE379320; Hs.91448; MKP-1 like protein tyrosine phosphatase; DSPc; 4.59
- 417880; BE21595; Hs.82848; selectin L (lymphocyte adhesion molecule 1); EGF,lectin_c,sushi;TM=M;SS=M; 4.59
- 411125; AA151647; Hs.68677; cytochrome b-245, alpha polypeptide; none;TM=Y;SS=M; 4.59
- 434883; AW381538; Hs.19807; hypothetical protein MGC12593; SH3,PH,VWV,RhoGAP;SS=M; 4.58
- 447312; AI434345; Hs.36908; activating transcription factor 1; rrm,zf-RanBP,phkase,GST_C,Ets,SAM_PNT,ABC2_membrane,myosin_head,IQ,Myosin_N,bZIP,zf-C2H2,PHD,BTB,TFIIS,AT_hook,SAM;TM=M; 4.58
- 435254; AW194689; Hs.30778; ESTs; phkase,Bacterial_PQ,none; 4.58
- 426925; NM_001196; Hs.315889; Homo sapiens cDNA: FLJ22373 fls, clone HRC06741; Esterase,anolase,Peptidase_S8;TM=M; 4.58
- 421685; AF169723; Hs.106778; ATPase, Ca transporting, type 2C, member 1; Cation_ATPase_C,Cation_ATPase_N,E1-E2_ATPase,Hydrolase,XPG_N;TM=Y;; 4.58
- 447827; Y07327; Hs.19718; protein tyrosine phosphatase, receptor type, U; fn3,jg,Y_phosphatase,MAM;TM=Y;SS=M; 4.58
- 427640; AF058293; Hs.180015; D-dopachrome tautomerase; COX8,SHMT,MIF,GST_C,EF1G_domain,GST_N,S1,Fz,Frizzled,calreticulin,7tm_2,rm,PAP_assoc;TM=Y;SS=M; 4.57
- 441085; AW136551; Hs.181245; Homo sapiens cDNA FLJ12532 fls, clone NT2RM000200; none,none; 4.57
- 409581; U66243; Hs.55039; mitogen-activated protein kinase 12; phkase;SS=M; 4.57
- 423184; NM_004428; Hs.1624; ephrin-A1; Ephrin;TM=M;SS=M; 4.56
- 443920; AL037764; Hs.35304; Homo sapiens cDNA FLJ13655 fls, clone PLACE1011503; none,FMO-like; 4.56
- 422627; BE336857; Hs.119787; transforming growth factor, beta-induced, 68kD; Fasciclin,ABC_tran,ABC_membrane,GTP_EFTU;TM=M;SS=M; 4.56
- 418869; AW516565; ; gb:ex01d05.x1 Soares_NHCoC_cervical_tumor Homo sapiens cDNA clone 3' similar to contains Alu repetitive element; contains element MER11 repetitive element ; mRNA sequence; none,RasGAP,VWV,IQ; 4.56
- 430016; NM_004738; Hs.227655; xenotropic and polytropic retrovirus receptor; SPX,EXS;TM=Y;; 4.56
- 437167; BE048880; Hs.120655; ESTs; IRK;none; 4.55
- 422769; AA838905; Hs.120017; olfactory receptor, family 7, subfamily E, member 38 pseudogene; none,none; 4.55
- 457918; AL358590; Hs.162804; hypothetical protein DKFZp762M186; PLD;TM=M; 4.55
- 434467; BE662368; Hs.231853; Homo sapiens cDNA FLJ13445 fls, clone PLACE1002962; 7tm_1;none; 4.55
- 421140; AA298741; Hs.102135; signal sequence receptor, delta (translocon-associated protein delta); none;TM=Y;SS=M; 4.55
- 406364; ; Target Exon; hexapep;TM=M; 4.55
- 434682; AA827165; Hs.191958; immunoglobulin superfamily receptor translocation associated 2; lg;none; 4.54
- 438939; H21012; Hs.287657; Homo sapiens cDNA: FLJ21291 fls, clone COL01983; F5_F8_type_C,phkase,Ets;none; 4.54
- 433435; BE546277; Hs.340959; Ts translation elongation factor, mitochondrial; EF_T5,UBA;; 4.54
- 411165; NM_000169; Hs.69089; galactosidase, alpha; Melibiase;SS=M; 4.54
- 408955; AK001868; Hs.49344; hypothetical protein FLJ11008; lon_trans;TM=Y;; 4.54
- 416847; L43821; Hs.80251; enhancer of filamentation 1 (cas-like docking; Crik-associated substrate related); SH3;TM=M; 4.53
- 410228; AI831958; Hs.61053; hypothetical protein; SH3,TPR;TM=M; 4.53
- 422753; AI928995; Hs.1576; small nuclear ribonucleoprotein D3 polypeptide (18kD); Sm;SS=M; 4.52
- 418355; L42633; Hs.1165; ATPase, H7 transporting, nongastric, alpha polypeptide; E1-E2_ATPase,Cation_ATPase_C,Cation_ATPase_N,Hydrolase;TM=Y;; 4.52
- 400261; ; Eos Control; lg,MHC_JL_beta;TM=Y;SS=M; 4.52
- 444633; AF111713; Hs.285218; junctional adhesion molecule 1; lg;TM=Y;SS=M; 4.52
- 422940; BE077458; ; gb:RC1-BT0606-090500-015-604 BT0606 Homo sapiens cDNA, mRNA sequence; Sec7,PH,ANF_receptor,Ig_chan,WD40,IRK; 4.52

- 400303; AA242758; Hs.79136; LIV-1 protein, estrogen regulated; none:none; 4.51
 412604; AW978324; Hs.1904; protein kinase C, δ ; pkinase,DAG_PE_bind,pkinase_C,OPR;TM=M; 4.51
 448633; AA311426; Hs.21635; tubulin, gamma 1; tubulin;TM=M; 4.51
 457906; AW975939; Hs.153290; Homo sapiens cDNA FLJ14318 fis, clone PLACE3000402; none,pkinase; 4.51
 456362; AW973003; Hs.179909; hypothetical protein FLJ22995; none;TM=M; 4.51
 429680; AW956329; Hs.23721; ESTs; none,sugar_tr;Ribosomal_S25; 4.50
 424618; L29472; Hs.1802; major histocompatibility complex, class II, DO beta; Ig,MHC_II_beta;TM=Y;SS=M; 4.50
 444823; BE262989; Hs.12045; putative protein; Mra1,MBOAT;TM=M;SS=Y; 4.50
 405490; ; NM_031414; Homo sapiens serine/threonine kinase 31 (STK31), transcript variant 1, mRNA; pkinase,TUDOR;TM=M; 4.50
 424494; AW87575; Hs.149255; phosphatidylinositol-4-phosphate 5-kinase, type I, alpha; PIP5K;SS=M; 4.50
 441031; A110664; Hs.7645; fibrinogen, B beta polypeptide; fibrinogen_C,G-alpha,arf;TM=M;SS=M; 4.50
 443951; F13272; Hs.111334; ferritin, light polypeptide; PMP22_Claudin;none; 4.50
 410423; AW402432; Hs.63489; protein tyrosine phosphatase, non-receptor type 6; SH2_Y_phosphatase,DSPc;TM=M; 4.50
 429556; AW139398; Hs.98988; ESTs; none;TM=M; 4.50
 458791; BE615453; Hs.346509; dedicator of cyto-kinesis 1; none;TM=Y; 4.49
 425209; AL049781; Hs.165140; casein kinase 2, alpha 1 polypeptide; pkinase,ABC1;TM=M; 4.49
 425695; NM_005401; Hs.159238; protein tyrosine phosphatase, non-receptor type 14; Y_phosphatase,Band_41,DSPc;TM=M; 4.49
 424943; AU077260; Hs.153924; death-associated protein kinase 1; ank,pkinase,death,SPRY,SAP,Ribosomal_L24e,SRP54,dDENN,DENN,uDENN;TM=M; 4.49
 412970; AB026436; Hs.177534; dual specificity phosphatase 10; Rhodanese,DSPc;SS=M; 4.48
 400755; AA635062; ; Homo sapiens mRNA; cDNA DKFZp434O0515 (from clone DKFZp434O0515); zf-C3HC4,CARD,BIR;TM=M; 4.48
 425566; AW162943; Hs.250618; UL16 binding protein 2; Id1_recept_a,PKD,MHC_1;TM=M;SS=Y; 4.48
 410151; X15723; Hs.59242; paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein); Peptidase_S8,P;TM=Y;SS=M; 4.48
 423536; L22075; Hs.1666; guanine nucleotide binding protein (G protein), alpha 13; UCR_hinge,G-alpha,arf;TM=M; 4.48
 424711; NM_005795; Hs.152175; calcitonin receptor-like; 7tm_2,HRM;TM=Y;SS=M; 4.48
 427878; C05766; Hs.181022; CGI-07 protein; none,zf-C2H2; 4.48
 443991; NM_002250; Hs.10082; potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4; CaMBD,SK_channel,kon_trans;TM=Y;SS=M; 4.48
 422605; H16646; Hs.118666; hypothetical protein PP591; PAPS_reduct,MoCF_biosynth; 4.47
 410583; AW770280; Hs.36258; ESTs, Moderately similar to JCS238 galactosylceramide-like protein, GCP [H.sapiens]; SH3,PDZ,Guanlylate_kin,none; 4.47
 434419; AL046008; Hs.298638; dual specificity phosphatase 7; DSPc;TM=M; 4.47
 410032; BE065985; ; gb:RC3-BT0319-120200-014-a09 BT0319 Homo sapiens cDNA, mRNA sequence; abhydrolase_2,none; 4.46
 423078; M35198; Hs.123125; Integrin, beta 6; Integrin_B,EGF,pp-binding;TM=Y;SS=M; 4.46
 400263; ; Eos Control; GTP_EFTU,EGF_C,GTP_EFTU_D2,serpin;TM=M; 4.46
 441406; Z45957; Hs.7837; phosphoprotein regulated by mitogenic pathways; pkinase;TM=M; 4.45
 434551; BE387162; Hs.280858; ESTs, Highly similar to A35661 DNA excision repair cross-complementing protein ERCC3 [H.sapiens]; none;TM=M; 4.45
 413227; M79082; ; ESTs; none:none; 4.45
 441321; H17182; Hs.7771; B-cell associated protein; Band_7;TM=M; 4.45
 457194; H20569; Hs.35406; ESTs, Highly similar to unnamed protein product [H.sapiens]; none,pkinase,PBD; 4.45
 414745; AA160511; Hs.5326; amino acid system N transporter 2; porcupine; none:none; 4.45
 404276; ; NM_002944; ; Homo sapiens v-ros avian UR2 sarcoma virus oncogene homolog 1 (ROS1), mRNA; ; fn3,pkinase,DUF139;TM=Y;SS=M; 4.45
 425866; AI493134; ; sclerostin; DAN;TM=M;SS=M; 4.45
 408873; AL046017; Hs.182278; calmodulin 2 (phosphorylase kinase, delta); none:none; 4.44
 425486; BE178285; Hs.170058; Homo sapiens mRNA; cDNA DKFZp586B0220 (from clone DKFZp586B0220); pkinase,none; 4.44
 432798; AA565309; Hs.194015; ESTs; Integrin_B,Sema,PSI,TIG;none; 4.44
 439668; AI091277; Hs.302634; frizzled (Drosophila) homolog 8; Frizzled,Fz,7tm_2,toxin_2;TM=Y;SS=M; 4.44
 417886; AA214584; ; ESTs; SPRY,7tm_3,ANF_receptor,none; 4.43
 452098; AB859183; ; gb:W45a12.x1 NCL CGAP_U11 Homo sapiens cDNA clone 3' similar to contains Alu repetitive element; mRNA sequence; SH3,none; 4.43
 426874; N67325; Hs.347487; ESTs; SH3,TonB_boxC;none; 4.43
 422714; AB018335; Hs.119387; KIAA0792 gene product; DUF221;TM=Y;SS=M; 4.42
 410741; Z11695; Hs.324473; mitogen-activated protein kinase 1; pkinase,none; 4.42
 432193; AA372264; Hs.273193; hypothetical protein FLJ10708; pkinase;TM=M; 4.41
 409506; NM_006153; Hs.64589; NCK adaptor protein 1; SH2,SH3;TM=M; 4.41
 429390; AB040942; Hs.201500; KIAA1509 protein; none;TM=M; 4.41
 421859; AA356620; Hs.108947; KIAA0050 gene product; ank,PH,ArfGap;SS=M; 4.41
 451527; AF022813; Hs.25518; transmembrane 4 superfamily member 7; none:none; 4.41
 421748; NM_014718; Hs.107809; KIAA0726 gene product; cadherin;TM=Y; 4.40
 410416; BE410072; Hs.63304; protein phosphatase methyltransferase-1; none;TM=M; 4.40
 450457; AA367701; Hs.6539; KIAA1824 protein; none;TM=M;SS=M; 4.40
 433029; NM_014322; Hs.279928; opsin 3 (encephalopsin); 7tm_1,Monooxygenase;TM=Y;SS=M; 4.40
 406805; H69912; Hs.48259; vaccinia related kinase 1; pkinase;TM=M; 4.40
 421585; U95626; Hs.302043; chemokine (C-C motif) receptor-like 2; 7tm_1;TM=Y;SS=M; 4.40
 440014; AW980782; Hs.6856; osh2 [absent, small, or homeotic, Drosophila, homolog]-like; SPRY,BAG,UPF0001; 4.40
 451154; AA015879; Hs.33536; ESTs; TIMP;none; 4.40
 433855; AI287912; Hs.3628; mitogen-activated protein kinase kinase kinase 4; pkinase,zf-C4,CNH,ERM;TM=M; 4.40
 422034; AC008488; Hs.333069; Ets2 repressor factor; Ets;TM=M; 4.39
 444008; AI300792; Hs.135104; ESTs; TNFR_c6,TIL;none; 4.39
 420020; BE295866; Hs.94382; adenosine kinase; ptkB;SS=M; 4.39
 416207; NM_014745; Hs.79077; Homo sapiens, clone MGC:2908, mRNA, complete cds; none;TM=Y;SS=M; 4.39
 417655; AA780791; Hs.14014; hypothetical protein FLJ14813; pkinase,pkinase_C;TM=M; 4.39
 402915; ; ENSP00000202567; Bicarbonate transporter-related protein BTR1; HCO3_cotransp;TM=Y; 4.39
 453199; AI336268; Hs.32353; mitogen-activated protein kinase kinase kinase 4; pkinase;TM=M; 4.38
 416033; NM_012201; Hs.78979; Golgi apparatus protein 1; cys_rich_FGFR;TM=Y;SS=M; 4.38
 453672; U73531; Hs.34528; G protein-coupled receptor; 7tm_1;TM=Y;SS=M; 4.38
 437852; BE001836; Hs.256897; ESTs, Weakly similar to DJ365O12.1 [H.sapiens]; GPS,7tm_2;TM=Y; 4.38
 420039; NM_004605; Hs.94581; sulfotransferase family, cytosolic, 2B, member 1; Sulfotransfer;SS=M; 4.38
 412834; F77123; Hs.79881; Homo sapiens cDNA: FLJ23008 fis, clone LNG00414; 7tm_1,none; 4.38
 452203; X57522; ; transporter 1, ATP-binding cassette, sub-family B (MDR/TAP); ABC_tran,ABC_membrane,SRP54,Thymidylate_kin;TM=Y;SS=M; 4.37
 425317; AW205118; Hs.210546; interleukin 21 receptor; none;TM=Y;SS=M; 4.37
 432945; AL043683; Hs.8173; hypothetical protein FLJ10803; none;TM=M;SS=M; 4.37
 424028; AF055084; Hs.153692; Homo sapiens cDNA FLJ14354 fis, clone Y79AA1001384, highly similar to Homo sapiens very large G-protein coupled receptor-1 (VLGR1) mRNA; none:none; 4.37
 434071; AF116653; Hs.34192; Homo sapiens PRO0823 mRNA, complete cds; none;TM=M; 4.37
 412586; AA161219; Hs.795; epidermal toxin receptor (heparin-binding epidermal growth factor-like growth factor); EGF;TM=Y;SS=M; 4.36
 440270; NM_015986; Hs.7120; cytokine receptor-like molecule 9; fn3;SS=M; 4.36

- 432987; A1864771; Hs.27954; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen); none; TM=Y; SS=M; 4.36
- 436943; AA773838; Hs.5353; caspase 10, apoptosis-related cysteine protease; ICE_p10, ICE_p20, DED; TM=M; 4.36
- 467897; A1356125; Hs.345168; ESTs, Weakly similar to HXA2_HUMAN HOMEBOX PROTEIN HOX-A2 [H.sapiens]; homeobox; NA; NA; 4.36
- 468671; AA129547; Hs.285754; met proto-oncogene (hepatocyte growth factor receptor); Sema, kinase, TIG, PSI, none; 4.36
- 413958; X14034; Hs.75648; phospholipase C, gamma 2 (phosphatidylinositol-specific); SH2, SH3, C2, PH, PI-PLC-Y, PI-PLC-X, PDGF; SS=M; 4.35
- 408101; AW968504; Hs.123073; CDC2-related protein kinase 7; none, none; 4.35
- 414029; BE297731; Hs.75709; mannose-6-phosphate receptor (calcium dependent); Man-6-P_recep; TM=M; SS=M; 4.35
- 425089; AA687465; Hs.298184; potassium voltage-gated channel, shaker-related subfamily, beta member 2; aldo_ket_red, none; 4.35
- 438937; AW952664; Hs.244624; ESTs; EPH_1bd, kinase, fn3, SAM, none; 4.35
- 412584; X54870; Hs.74085; DNA segment on chromosome 12 (unique) 2489 expressed sequence; none, lectin_c; 4.35
- 436540; BE397032; Hs.14468; hypothetical protein MGC14226; nm, 7bn_1, SNF; TM=M; 4.34
- 435267; N23797; Hs.110114; ESTs; none, Syja_N, Exo_endo_phos; 4.34
- 405616; ; Target Exon; none, SH3, BAR; 4.34
- 432141; BE410864; Hs.272738; nuclear receptor binding protein; kinase; TM=M; 4.33
- 417927; R73095; Hs.24122; ESTs; none, kinase; 4.33
- 429849; U33053; Hs.2499; protein kinase C-like 1; kinase, kinase_C, HR1; TM=M; 4.33
- 425743; BE396495; Hs.159428; BCL2-associated X protein; Bcl-2; TM=Y; 4.33
- 453863; X02544; Hs.572; orosomucoid 1; lipocalin, aldedh, ubiquitin, IRK; SS=M; 4.33
- 400847; ; NM_003105; Homo sapiens sortilin-related receptor, LDLR class A repeats-containing (SORL1), mRNA; EGF, fn3, ldl_recept, al, ldl_recept, granulin, BNR; TM=Y; SS=M; 4.33
- 414914; U49844; Hs.77613; ataxia telangiectasia and Rad3 related; FAT, FATC, P13, P14, kinase; TM=M; 4.33
- 413858; NM_001610; Hs.76589; acid phosphatase 2, lysosomal; acid_phosphat; TM=Y; SS=M; 4.33
- 442539; AL119506; Hs.58220; Homo sapiens cDNA: FLJ23005 fis, clone LNG00396, highly similar to AF055023 Homo sapiens clone 24723 mRNA sequence; RasGAP, adenylate kinase; 4.33
- 419607; R52567; Hs.91679; Homo sapiens clone 23783 mRNA sequence; IMP4; TM=M; 4.32
- 436703; AW806614; Hs.146381; RNA binding motif protein, X chromosome; nm, SH3, PH, CH, RhoGEF; 4.32
- 414899; AW975433; Hs.36288; ESTs; kinase, SH2, SH3, none; 4.32
- 444895; A1674383; Hs.22891; solute carrier family 7 (cationic amino acid transporter, y system), member 6; ASC, death, TNFR_c6; 4.31
- 415135; AW673559; Hs.78040; KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1; ER_lumen_recept; none; 4.31
- 444070; NM_015367; Hs.10267; MIL1 protein; Bcl-2; TM=Y; 4.31
- 422611; AA158177; Hs.118722; fucosyltransferase B (alpha 1,6) fucosyltransferase; SH3, K-box; TM=M; SS=Y; 4.31
- 437162; AW005505; Hs.5464; thyroid hormone receptor coactivating protein; bromodomain; TM=M; 4.30
- 440983; NM02681; Hs.7594; solute carrier family 2 (facilitated glucose transporter), member 3; sugar_tr; TM=Y; SS=M; 4.30
- 414080; AA135257; Hs.47783; B aggressive lymphoma gene; A1pp; TM=M; 4.30
- 415072; BE253687; Hs.77876; Homo sapiens, clone IMAGE:3461982, mRNA, partial cds; Metallophos, Armadillo_seg; TM=M; 4.30
- 442994; A1026718; Hs.16954; ESTs; ank, kinase, death, Ribosomal_S14; 4.30
- 432328; A1572739; Hs.195471; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3; PGAM, 6PFZK; TM=M; 4.29
- 439490; AW249197; Hs.100043; ESTs, Weakly similar to A45302 PTB-associated splicing factor, long form [H.sapiens]; none; TM=M; 4.29
- 422005; BE285558; Hs.110702; Homo sapiens mRNA; cDNA DKFZp761E212 (from clone DKFZp761E212); none, Na_H_Exchange; 4.29
- 415214; A1445236; Hs.125124; EphB2; fn3, kinase, SAM, EPH_1bd; TM=Y; SS=M; 4.29
- 430316; NM_000875; Hs.239176; insulin-like growth factor 1 receptor; fn3, Furin-like, kinase, Recep_L_domain; TM=M; SS=M; 4.29
- 429099; BE439952; Hs.195177; phosphorylase kinase, gamma 2 (testis); pkinase, Bac_DNA_binding; TM=M; 4.29
- 425843; BE313280; Hs.159627; death associated protein 3; myb_DNA-binding, PAH, BAH, bromodomain, PHD, SET; TM=M; 4.28
- 437603; AW979259; Hs.293673; ESTs; death; none; 4.28
- 439975; AW328081; Hs.6817; inosine triphosphatase (nucleoside triphosphate pyrophosphatase); Ham1p_like; TM=M; 4.28
- 424512; X53002; Hs.149846; Integrin, beta 5; integrin_B, EGF; TM=Y; SS=M; 4.28
- 442980; AAB57025; Hs.8878; kinesin-like 1; kinesin, Luleo_ORF3, DUF164; TM=M; 4.28
- 420166; AW732276; Hs.95583; transmembrane 4 superfamily member (tetraspan NET-7); transmembrane4; TM=Y; SS=M; 4.27
- 409582; R27430; Hs.271565; ESTs; none, Neur_chan_LBD, Neur_chan_memb; 4.27
- 439086; AA830185; ; ESTs; ras; none; 4.27
- 414561; A1064813; Hs.195155; Homo sapiens amino acid transport system N2 (SN2) mRNA, complete cds; Aa_trans; TM=Y; 4.27
- 411835; U25943; Hs.72550; hyaluronan-mediated mobility receptor (RHAMM); bZIP; SS=M; 4.27
- 428781; AF164798; Hs.193384; putative 28 kDa protein; kinase, DAG_PE_bnd, kinase_C, OPR; SS=M; 4.27
- 430603; AA148164; Hs.247280; HBV associated factor; zf-C3HC4, zf-RanBP, kinase; 4.27
- 415149; X12451; Hs.78058; calhepsin I; Peptidase_C1; SS=M; 4.26
- 444838; AV651680; Hs.208558; ESTs; Integrin_A, FG-GAP; none; 4.26
- 402328; ; Target Exon; kinase; TM=M; 4.26
- 416094; AW985512; Hs.225977; nuclear receptor coactivator 3; none, none; 4.26
- 420942; H03514; Hs.15588; ESTs; none, kinase; 4.26
- 453902; BE502341; Hs.3402; ESTs; none, none; 4.26
- 425505; AL036458; ; gb:DKFZp564D2062_r1 584 (synonym: hibr2) Homo sapiens cDNA clone DKFZp564D2062 5', mRNA sequence; arf, G-alpha; none; 4.26
- 427344; NM_000859; Hs.2142; 5-hydroxytryptamine (serotonin) receptor 3A; Neur_chan_LBD, Neur_chan_memb; TM=Y; SS=M; 4.26
- 432269; NM_002447; Hs.2942; macrophage stimulating 1 receptor (c-met-related tyrosine kinase); pkinase, Sema, PSI, TIG, A4_EXTRA; TM=M; SS=M; 4.26
- 417007; AF224741; Hs.80768; chloride channel 7; CBS, voltage_ClC; TM=Y; 4.26
- 447960; AW954377; Hs.26412; ring finger protein 26; zf-C3HC4; TM=Y; SS=M; 4.26
- 442300; A1765908; Hs.129166; ESTs; none; SS=M; 4.25
- 421858; NM_018447; Hs.108931; MAGUK protein p57; Protein Associated with Lins 2; SH3, PDZ, Guanylate_kin, LZ7; TM=M; 4.25
- 452110; T47667; Hs.28005; Homo sapiens cDNA FLJ11309 fis, clone PLACE1010078; pkinase, Activin_recp; none; 4.25
- 422451; AA310753; Hs.42491; ESTs, Weakly similar to S68857 alpha-1C-adrenergic receptor splice form 2 [H.sapiens]; PDZ, SH2, STAT, STAT_bnd, STAT_pro, none; 4.25
- 453955; AW579207; Hs.304686; ESTs, Weakly similar to I78885 serine/threonine-specific protein kinase [H.sapiens]; fn3, Ig, MAM; none; 4.25
- 457670; AF119666; Hs.23449; insulin receptor tyrosine kinase substrate; SH3; TM=M; 4.25
- 419133; U46116; Hs.89627; protein tyrosine phosphatase, receptor type, C; fn3_Y, phosphatase, carb_anhydrase, DSPc; TM=Y; SS=M; 4.25
- 419660; BE280337; Hs.194693; solute carrier family 7 (cationic amino acid transporter, y system), member 7; aa_permeases; TM=Y; SS=M; 4.25
- 415198; AW009480; Hs.943; natural killer cell transcript 4; none; TM=M; 4.24
- 416440; A1823912; Hs.79335; Homo sapiens, similar to SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1, clone MGC:15280, mRNA, complete cds; SWIB; TM=M; 4.24
- 419169; AW851980; Hs.262346; ESTs, Weakly similar to S72482 hypothetical protein [H.sapiens]; none, spectrin, SH3, PH, CH; 4.24
- 449444; AW818436; Hs.23590; solute carrier family 16 (monocarboxylic acid transporters), member 4; none; TM=Y; SS=M; 4.24
- 433848; AF055719; Hs.93764; carboxypeptidase A4; Zn_carbOpept, Propap_M14; SS=M; 4.24
- 442213; N36110; Hs.305971; solute carrier family 2 (facilitated glucose transporter), member 10; sugar_tr; TM=Y; SS=M; 4.24
- 412681; AW983655; Hs.172004; tlin; fn3, Ig, SGXSG, kinase; TM=M; 4.24
- 424653; AW977534; Hs.151469; calcium/calmodulin-dependent serine protein kinase (MAGUK family); none, none; 4.24
- 421066; AU076725; Hs.101408; branched chain aminotransferase 2, mitochondrial; aminotran_4; 4.23

- 426336; AF147765; Hs.232093; ESTs; fn2, C1MR; TM=M; SS=M; 4.23
 443329; BE262943; Hs.9234; hypothetical protein MGC1936; none; TM=Y; SS=M; 4.23
 432314; AA533447; Hs.312989; ESTs; Xlink; none; 4.23
 434608; AA805443; Hs.179909; hypothetical protein FLJ22995; none; TM=M; 4.23
 454166; AW993356; Hs.285814; sprouty (Drosophila) homolog 4; SH2, SH3; TM=M; SS=M; 4.23
 442696; AI457102; Hs.347970; Human glucose transporter pseudogene; none; none; 4.23
 442549; AI751601; Hs.8375; TNF receptor-associated factor 4; MATH, zf-TRAF, zf-C3HC4; SS=M; 4.22
 424154; AF026004; Hs.141660; chloride channel 2; voltage, CLC, CBS, EPO, TPO, PC, rep; 4.22
 433419; AI830342; Hs.211272; ESTs; transmembrane4; none; 4.22
 421921; H83363; Hs.6820; translocase of inner mitochondrial membrane 10 (yeast) homolog; zf-Tim10, DDP, ethand, CH, spectrin, serpin; TM=M; 4.22
 445633; AI453386; Hs.17287; ESTs; Weakly similar to S28689 hypothetical protein hc1 - mouse [M.musculus]; IRK; none; 4.22
 424812; AF058252; Hs.153299; DOM-3 (C. elegans) homolog 2; none; TM=M; 4.22
 410668; BE379794; Hs.65403; hypothetical protein; death, TNFR, c6; TM=Y; SS=M; 4.22
 416636; N32536; Hs.42646; solute carrier family 16 (monocarboxylic acid transporters), member 6; none; none; 4.22
 418969; W33191; Hs.28907; hypothetical protein FLJ20258; SH3; TM=M; 4.21
 447200; BE543146; Hs.281434; Homo sapiens cDNA FLJ14028 fis, clone HEMBA1003836; none; none; 4.21
 400208; ; Eos Control; FCH, RhoGAP, SH3; TM=M; 4.21
 405369; ; NM_005669; Homo sapiens LIM domain kinase 2 (LIMK2), transcript variant 2a, mRNA.; pkinase, LIM, PDZ; SS=M; 4.21
 445350; AF052112; Hs.12540; lysophospholipase I; abhydrolase_2; TM=M; 4.21
 441206; AI339704; Hs.150401; ESTs; Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens];
 ion_trans, RYDR, UTPR, MIR; none; 4.21
 427217; AA399272; Hs.144341; ESTs; ANP, GHMP_kinases; none; 4.21
 400845; ; NM_003105; Homo sapiens sortilin-related receptor, LDLR class) A repeats-containing (SORL1), mRNA.;
 EGF, fn3, ldl_recept_a, ldl_recept_b, granulin, BNR; TM=Y; SS=M; 4.21
 422667; H25642; ; ESTs; FMO-like; FMO-like; 4.21
 450056; BE047394; Hs.8208; ESTs; Weakly similar to S71512 hypothetical protein T2 - mouse [M.musculus];
 ABC_tran, ABC_membrane, Ig, MHC, IL_beta, SRP54, proteasome, ABC_membrane, ABC_tran; 4.20
 448950; AF288887; Hs.9275; CGL-152 protein; E1-E2, ATPase, Hydrolase; TM=Y; 4.20
 408634; AW407254; Hs.182278; calmodulin 2 (phosphorylase kinase, delta); none; none; 4.20
 422335; AA376957; Hs.6682; solute carrier family 7, (cationic amino acid transporter, y system) member 11; none; none; 4.20
 426754; NM_014264; Hs.172052; serine/threonine kinase 18; pkinase; TM=M; 4.20
 435810; BE349853; Hs.2785; keratin 17; zf-Tim10, DDP, SH2, SH3, pkinase, PH, BTX, Ribosomal_L44; 4.20
 446143; BE245342; Hs.306079; sec61 homolog; NUDDX, secY, E1_dehydrog, transket_pyr; TM=Y; SS=M; 4.20
 426626; AI124572; Hs.323879; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma; zf-C2H2; TM=M; 4.20
 403716; ; Target Exon; Adap_comp_sub, PDZ, DEP, DIX, Dishevelled, hexapep, W2, ABC_tran; 4.19
 415749; BE262529; Hs.78771; phosphoglycerate kinase 1; PGK; none; 4.19
 434599; AB002313; Hs.3989; plexin B2; PSI, Sema, TIG; NA; NA; 4.19
 412600; L28824; Hs.74101; spleen tyrosine kinase; SH2, pkinase; 4.19
 415738; N29218; Hs.40290; ESTs; ABC_tran, ABC_membrane; none; 4.19
 410839; BE269047; Hs.65234; hypothetical protein FLJ20596; DEAD, helicase_C, PRK, AIP3; TM=M; 4.19
 431385; BE178533; Hs.11080; membrane-spanning 4-domains, subfamily A, member 7; none; none; 4.19
 407305; AA715284; ; gb:rv3503.r1 NCL_CGAP_Br5 Homo sapiens cDNA clone similar to contains Alu repetitive element, mRNA sequence; pkinase, Integrin_B, Sema, PSI, TIG; none;
 4.18
 452880; AA029332; Hs.87549; ESTs; none; integrin_B; 4.18
 428245; AF151048; Hs.183180; anaphase promoting complex subunit 11 (yeast APC11 homolog); none; SS=M; 4.18
 421964; X73079; Hs.288579; polymorphic immunoglobulin receptor; ig, Cobalamin_bind; TM=M; SS=M; 4.18
 409213; U01412; Hs.51133; PTK6 protein tyrosine kinase 6; SH2, SH3, pkinase; TM=M; 4.18
 421790; AW898201; Hs.22654; sodium channel, voltage-gated, type I, alpha polypeptide; ion_trans, IQ, PEP-utilizers_C; TM=Y; 4.18
 429668; AA626142; Hs.179991; ESTs; Weakly similar to S28942 protein kinase C [H.sapiens]; none; none; 4.18
 443088; AI188710; ; ESTs; Endonuclease, pkinase, Activin_recp; none; 4.18
 418827; BE327311; Hs.47166; H1021; none; TM=M; 4.18
 447887; AA114050; Hs.19949; caspase 8, apoptosis-related cysteine protease; ICE_p10, ICE_p20, DED; TM=M; 4.18
 429109; AI008637; Hs.196352; neutrophil cytosolic factor 4 (40kD); SH3, OPR, PK; TM=M; 4.18
 422083; NM_001141; Hs.111256; arachidonate 15-lipoxygenase, second type; none; none; 4.18
 438974; AF089816; Hs.6454; chromosome 19 open reading frame 3; PDZ; SS=M; 4.18
 413407; AI356293; Hs.75339; inositol polyphosphate phosphatase-like 1; SH2, SAM, Exo_endo_phos; SS=M; 4.18
 424954; NM_000546; Hs.1846; tumor protein p53 (Li-Fraumeni syndrome); P53, WD40, IRK; TM=M; 4.17
 421836; AF109219; Hs.108787; phosphatidylinositol glycan, class N; none; none; 4.17
 431544; AK000770; Hs.298328; Homo sapiens cDNA FLJ20783 fis, clone COL09911; none; none; 4.17
 413781; J05272; Hs.850; IMP (inosine monophosphate) dehydrogenase 1; CBS, IMPDH_C, IMPDH_N, NPD; TM=M; 4.17
 452012; AA307703; Hs.279766; kinesin family member 4A; kinesin, DNA_topoisom, K-box; TM=M; 4.17
 425606; U62112; Hs.158331; retin-binding protein; none; 4.16
 416817; AA398045; Hs.104679; ESTs; Furin-like, pkinase, Recep_L_domain, fn3; none; 4.16
 402447; ; C1000201:gi204416[gb]AAA02627.1 (L05195) fructose transporter (Rattus norvegicus) gi44; none; TM=Y; SS=M; 4.16
 452875; BE275760; Hs.30828; DNA segment on chromosome 19 (unique) 1177 expressed sequence; Euk_porf; TM=M; SS=M; 4.15
 426395; BE151985; Hs.5722; hypothetical protein FLJ23318; pkinase; none; 4.15
 404140; ; NM_006510; Homo sapiens ret finger protein (RFP), transcript variant alpha, mRNA.; zf-C3HC4, SPRY, zf-B_box; SS=M; 4.15
 432268; BE311856; Hs.274230; 3'-phosphoadenosine 5'-phosphosulfate synthase 2; APS_kinase, ATP-sulfurylase; TM=M; 4.15
 405516; ; ENSP00000200457; Thyroid receptor interacting protein 6 (TRIP6) [OPA-interacting protein 1] (Zyde related protein 1) (ZRP-1); LIM; TM=M; 4.15
 448380; AL035414; Hs.21068; hypothetical protein; FGGY_C; TM=M; 4.15
 435732; AF229178; Hs.123136; leucine rich repeat and death domain containing protein; none; none; 4.15
 414108; AI287592; Hs.75761; SFRS protein kinase 1; ank, PH, Oxyterol_BP, pkinase; TM=M; 4.15
 411558; AA102670; Hs.70725; gamma-aminobutyric acid (GABA) A receptor, pi; Neur_chan_LBD, Neur_chan_memb; TM=Y; SS=M; 4.14
 424339; BE257148; Hs.145416; endoglycan; none; TM=Y; SS=M; 4.14
 427274; NM_005211; Hs.174142; colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms) oncogene homolog; lg, pkinase; TM=Y; SS=M; 4.14
 440624; R71264; Hs.16798; ESTs; SH3, lg, pkinase, PH, spectrin, RhoGEF; none; 4.14
 435115; AW512033; Hs.102004; ESTs; pkinase; none; 4.14
 447050; NM_016314; Hs.17200; STAM-like protein containing SH3 and ITAM domains 2; SH3, VHS, LIM; SS=M; 4.14
 418529; AW005689; Hs.250897; TRK-fused gene; Band_41, ERM, pkinase, LRR, LRRCT, MAM, Nucleoplasmin, Tropomyosin, OPR, filament, bZIP, G-gamma, M, DUF164; TM=M; 4.14
 420727; H75701; Hs.99886; complement component 4-binding protein, beta; sushi; SS=M; 4.14
 433075; NM_002959; ; sortilin 1; Exo_endo_phos, Atrophin-1, BNR, Kelch; TM=M; 4.14
 422783; AA598656; Hs.120439; ethanolamine kinase; Choline_kinase; TM=Y; 4.14
 410726; AI623859; Hs.15936; ESTs; pkinase, pro_isomerase; none; 4.14

- 417903; NM_002342; Hs.1116; lymphotoxin beta receptor (TNFR superfamily, member 3); TNFR_c6; TM=M; SS=M; 4.14
 428307; W27393; Hs.183648; protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1; SAM,SH3,HS1_rep; 4.14
 442434; AA895787; Hs.129583; ESTs; IRK:none; 4.13
 438361; AA805666; Hs.146217; Homo sapiens cDNA: FLJ23077 fis, clone LNG05840; pkinase,pkinase_C:none; 4.13
 445580; AF167572; Hs.12912; skb1 (S. pombe) homolog; none;SS=M; 4.13
 421425; AK001564; Hs.104222; hypothetical protein FLJ10702; ehand,kazal,arf,ras,7tm_1; TM=M; 4.13
 400252; ; NM_004651; Homo sapiens ubiquitin specific protease 11 (USP11), mRNA, substrate 1 (PTPNS1), mRNA; UCH-1,UCH-2; TM=M; 4.13
 446541; AL049229; Hs.15787; Homo sapiens mRNA; cDNA DKFZp564O1016 (from clone DKFZp564O1016); none,pkinase,PBD; 4.13
 400209; ; NM_001666; Homo sapiens Rho GTPase activating protein 4 (ARHGAP4), mRNA. VERSION NM_006083.2 GI; FCH,RhoGAP,SH3; TM=M; 4.13
 429012; AW629598; Hs.194726; BCL2-associated athanogene 4; Sm,BAG;SS=M; 4.13
 411826; AW947946; Hs.26708; GGI-121 protein; none,DSPc; 4.13
 423169; M59371; Hs.171696; EphA2; fn3,pkinase,SAM,EPH_1bd; TM=Y;SS=M; 4.12
 413934; U03056; Hs.75619; hyaluronoglucosaminidase 1; integrin_B,Glyco_hydro_56;SS=M; 4.12
 414874; D26351; Hs.77515; inositol 1,4,5-triphosphate receptor, type 3; Ion_trans,MIR,RYDR,TTPR; TM=Y; 4.12
 432047; NM_016247; Hs.272380; interphotoreceptor matrix proteoglycan 200; EGF,SEA; TM=Y;SS=M; 4.12
 451820; AW058367; Hs.199248; ESTs; 7tm_1; TM=Y;SS=M; 4.12
 445515; BE388665; Hs.178999; Homo sapiens, clone IMAGE:3457003, mRNA; zf-C2H2,BTB,K_tetra,WD40,Syntaxin; 4.12
 424539; L02911; Hs.150402; Activin A receptor, type I (ACVR1) (ALK-2); pkinase,Activin_recp; TM=M;SS=M; 4.12
 405110; ; C7000189g|1264396|ep|Q3Y6T7|KDOG_HUMAN DIACYLGLYCEROL KINASE, BETA (DGLYCERIDE KINASE ; none:none; 4.12
 441026; AW179058; Hs.99858; ribosomal protein L7a; pkinase,LRR,LRRCT,Ribosomal_L7Ae:none; 4.11
 443142; A656513; Hs.106705; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform; HEAT,Vitellogenin_N,HEAT_PBS;SS=M; 4.11
 450505; NM_004572; Hs.25051; plakophilin 2; Armadillo_seg; TM=M; 4.11
 459601; AL044470; Hs.270604; ESTs, Weakly similar to ALU7_HUMAN ALU SUBFAMILY SQ SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; none,SH3,PGAM,UBA; 4.10
 417300; A1765227; Hs.55610; solute carrier family 30 (zinc transporter), member 1; Cation_efflux; TM=Y;SS=M; 4.10
 427315; AA179949; Hs.175563; Homo sapiens mRNA; cDNA DKFZp564N0763 (from clone DKFZp564N0763); none,spectrin,SH3,PH,CH; 4.10
 416239; AL038460; Hs.48948; ESTs; E1-E2_ATPase,Cation_ATPase_C,Cation_ATPase_N,Hydrolase:none; 4.10
 429311; AF080157; Hs.198988; conserved helix-loop-helix ubiquitous kinase; pkinase:none; 4.10
 412146; M92444; Hs.73722; APEX nuclease (multifunctional DNA repair enzyme); Exo_endo_phos,Atraphin-1,BNR,Kelch; TM=M; 4.10
 418420; AW604405; Hs.324874; hypothetical protein MGC3079; Phosphodiester; TM=Y; 4.10
 434396; AA632270; Hs.162851; Homo sapiens cDNA FLJ14317 fis, clone PLACE3000401; pkinase:none; 4.10
 454436; AA224063; Hs.172405; cell division cycle 27; SPRY,7tm_3,ANF_receptor; 4.10
 439576; AW263124; Hs.315111; nuclear receptor co-repressor/HDAC3 complex subunit; WD40; TM=M; 4.10
 451995; A827431; Hs.224645; ESTs, Weakly similar to IF16_HUMAN GAMMA-INTERFERON-INDUCIBLE PROTEIN IF16 [H.sapiens]; none,PAAD_DAPIN,HIN; 4.10
 420340; NM_000734; Hs.97087; CD3Z antigen, zeta polypeptide (TIT3 complex); ITAM; TM=M;SS=M; 4.10
 442942; AW167087; Hs.131562; ESTs; pkinase:none; 4.09
 428187; A1687303; Hs.285529; G protein-coupled receptor 49; 7tm_1:none; 4.09
 418838; AW385224; Hs.35198; ectonucleotide pyrophosphatase/phosphodiesterase 5 (putative function); Phosphodiester; TM=Y;SS=M; 4.09
 416445; AL043004; Hs.79337; KIAA0135 protein; pkinase,PAS; TM=M; 4.08
 427001; NM_006482; Hs.173135; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2; pkinase; TM=M; 4.08
 403608; ; C3001199g|17484834|ph|T15308 hypothetical protein B0286.2 - Caenorhabditis elegans|41; 7tm_1,7tm_2,GPS,WIF; TM=Y;SS=M; 4.08
 427177; AB006537; Hs.173880; Interleukin 1 receptor accessory protein; Ig,TIR; TM=Y;SS=M; 4.08
 401241; AB028988; mitogen-activated protein kinase 8 interacting protein 3; Cys_knot,TGF-beta,vwa,vwc,vwd,TIL,DUF139;SS=M; 4.07
 444805; AB007899; Hs.12017; homolog of yeast ubiquitin-protein ligase Rsp5; potential epithelial sodium channel regulator; WW,HECT,RNA_pol_A:none; 4.07
 448888; AW196663; Hs.200242; caspase recruitment domain protein 6; CARD; TM=M; 4.06
 426006; RA9031; Hs.22627; ESTs; pkinase,TBC; 4.06
 434521; NM_002267; Hs.38896; karyopherin alpha 3 (Importin alpha 4); Armadillo_seg,IBB; TM=M; 4.06
 408761; AA057284; Hs.238936; ESTs, Weakly similar to (define not available 7496841) [C.elegans]; 7tm_1:none; 4.05
 425269; AW139342; Hs.155530; interferon, gamma-inducible protein 16; PAAD_DAPIN,HIN;SS=M; 4.05
 413103; AW388465; Hs.110855; ESTs; PHO4:none; 4.05
 426457; AW894667; Hs.189985; chimerin (chimerin 1); DAG_PE-bind,RhoGAP,SH2; TM=M; 4.05
 435730; AB020635; Hs.4984; KIAA0828 protein; AdoHcyase,TtkA-N,2-HackD_DH_C; TM=M; 4.04
 429747; M87607; Hs.2490; caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase); CARD,ICE_p10,ICE_p20;SS=M; 4.04
 444378; R41339; Hs.12669; ESTs; Ig,pkinase,LRR,LRRNT,LRRCT:none; 4.04
 449843; R85337; Hs.24030; solute carrier family 31 (copper transporters), member 2; none; TM=Y;SS=M; 4.04
 427359; AW020782; Hs.79881; Homo sapiens cDNA: FLJ23006 fis, clone LNG00414; 7tm_1:none; 4.04
 413095; AA494369; Hs.30715; potassium voltage-gated channel, Isk-related family, member 3; none,START; 4.04
 418540; A1821597; Hs.90877; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; ank,CAP_GLY,7tm_1; 4.03
 442007; AA301116; Hs.142836; nucleolar phosphoprotein Nopp34; rrm,IRK;SS=M; 4.02
 448659; AF191838; Hs.21712; TANK-binding kinase 1; pkinase; TM=M; 4.02
 412935; BE267045; Hs.75084; tubulin-specific chaperone c; none; 4.02
 414844; AA296874; Hs.77494; deoxyguanosine kinase; dNK; 4.02
 445817; NM_003642; Hs.13340; histone acetyltransferase 1; none; TM=M; 4.02
 426728; NM_007116; Hs.171957; triple functional domain (PTPRF interacting); SH3,Ig,pkinase,PH,spectrin,RhoGEF; TM=M; 4.02
 420876; A1434780; Hs.4248; vav 2 oncogene; RhoGEF,PH,CH,SH2,SH3,DAG_PE-bind:none; 4.02
 405102; ; C16001220g|4469558|gb|AAD21311.1|{AF128008} breast cancer nuclear receptor-binding aux1; DAG_PE-bind,PH,RhoGEF,DC1;SS=M; 4.02
 439964; A1732902; Hs.124652; Homo sapiens cDNA FLJ12376 fis, clone MAMMA1002494; pkinase:none; 4.01
 429680; AL035754; Hs.2474; toll-like receptor 1; LRR,LRRCT,TIR; TM=M;SS=M; 4.01
 453891; AB037751; Hs.36353; Homo sapiens mRNA full length insert cDNA clone EUROIMAGE 1036904; none:none; 4.01
 426535; ALU077012; Hs.288562; ESTs, Weakly similar to ubiquitous TPR motif, Y isoform [H.sapiens]; Kunitz_BPTI,Kunitz_BPTI,7tm_2,HRM; 3.99
 424232; AB015982; Hs.143460; protein kinase C, nu; pkinase,DAG_PE-bind,PH; TM=M; 3.99
 408308; AL033377; Hs.44197; hypothetical protein DKFZp564D0462; none:none; 3.98
 449517; AW500108; Hs.23643; serine/threonine protein kinase MASIK; pkinase; TM=M; 3.98
 404185; ; Target Exon; sugar_3r; TM=Y;SS=M; 3.98
 441226; BE663042; Hs.118820; Homo sapiens, Similar to RIKEN cDNA 0610012G03 gene, clone MGC:14132, mRNA, complete cds; none; TM=M; 3.98
 429638; A1916662; Hs.211577; kinesin 1 (Kinesin receptor); bZIP,Tropomyosin,spectrin,LBP_BPL,CETP,B56; TM=Y;SS=M; 3.97
 417386; AL037228; Hs.82043; D123 gene product; NUDIX,secY,E_L_dehydrog,transket_pyr; TM=Y;SS=M; 3.97
 452721; AJ269529; Hs.301871; solute carrier family 37 (glycerol-3-phosphate transporter), member 1; MORN,sugar_tr; TM=Y;SS=M; 3.96
 417183; R52089; Hs.172717; ESTs; pkinase,LRRCT,Ig,LRR,LRRNT:none; 3.95
 439176; A146444; Hs.190394; ESTs, Weakly similar to B28096 line-1 protein ORF2 [H.sapiens]; none; TM=M; 3.94
 424490; AJ278016; Hs.55565; ankyrin repeat domain 3; ank,pkinase; TM=M; 3.94
 422610; AF153820; Hs.1547; potassium inwardly-rectifying channel, subfamily J, member 2; IRK; TM=Y; 3.94

- 450746; D82673; Hs.278589; general transcription factor II, I; none; SH3, PX; 3.94
 418516; NM_006218; Hs.85701; phosphoinositide-3-kinase, catalytic, alpha polypeptide; PI3, PI4_kinase, PI3Ka, PI3K_C2, PI3K_rbd, PI3K_p85B; none; 3.94
 414217; AJ309288; Hs.278988; Homo sapiens cDNA: FLJ23165 fis, clone LNC09846; none; NA; NA; 3.93
 416537; T99086; Hs.144904; nuclear receptor co-repressor 1; myb_DNA-binding, RNA_pol_A; none; 3.93
 450747; AI064821; Hs.318535; ESTs, Highly similar to t818357A EWS gene [H.sapiens]; nm, zf-RanBP, GAS2; 3.93
 444825; AW17613; ; mitogen-activated protein kinase kinase kinase 8; pkinase; TM=M; 3.93
 408354; AJ382803; Hs.159235; ESTs; none; none; 3.93
 453945; NM_005171; Hs.36908; activating transcription factor 1; nm, zf-RanBP, pkinase, GST_C, Els, SAM_PNT, ABC2_membrane, myosin_head, IQ, Myosin_N, bZIP, zf-C2H2, PHD, BTB, TFIIS, AT_hook, SAM; TM=M; 3.93
 428532; AF157328; Hs.184786; TBP-interacting protein; Armadillo_seg, VHS, HEAT; TM=M; 3.92
 413967; AW20443; Hs.117853; ESTs, Weakly similar to I38022 hypothetical protein [H.sapiens]; Armadillo_seg, IBB, PHD, DDT; none; 3.91
 415906; AI751357; Hs.286741; Homo sapiens cDNA: FLJ22256 fis, clone HRC02860; Ephrin; none; 3.91
 450139; AK001838; Hs.235323; serum/glucocorticoid regulated kinase; none; none; 3.91
 440255; AI932285; Hs.160569; ESTs; none; pkinase; 3.90
 421077; AK000061; Hs.101590; hypothetical protein; ank, pkinase, death, SPRY, SAP, Ribosomal_L24e, SRP54, dDENN, DENN, uDENN; TM=M; 3.90
 433211; H11850; Hs.12808; MARK; pkinase, UBA, KA1; SS=M; 3.90
 433233; AB040827; Hs.301804; KIAA1494 protein; SH3, zf-C3HC4; TM=M; 3.90
 419809; U46415; Hs.270378; gb:HSU46415 Human pancreatic cancer cell line Patu 8988T Homo sapiens cDNA clone xs476, mRNA sequence; PWWP; none; 3.90
 433198; AA982841; Hs.27263; KIAA1458 protein; none; none; 3.89
 407721; Y12735; Hs.38018; dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3; pkinase; TM=M; 3.89
 427657; AV652249; Hs.180107; polymerase (DNA directed), beta; none; TM=M; 3.89
 453035; AW581943; Hs.334; Rho guanine nucleotide exchange factor (GEF) 5; none; none; 3.89
 446329; NM_013272; Hs.14805; solute carrier family 21 (organic anion transporter), member 11; kazal, OATP_N, OATP_C; TM=Y; SS=M; 3.89
 429922; Z97630; Hs.228117; H1 histone family, member 0; linker_histone; TM=M; 3.88
 432074; AA525248; Hs.149723; ESTs; Y_phosphatase; none; 3.88
 435143; R12375; Hs.194600; ESTs; SH3, Ig, pkinase, FH, spectrin, RhoGEF; none; 3.87
 423198; M81933; Hs.1634; cell division cycle 25A; Rhodanese; none; 3.87
 428474; AB023182; Hs.184523; KIAA0965 protein; pkinase; TM=M; 3.87
 419073; AW372170; Hs.183918; Homo sapiens cDNA FLJ12797 fis, clone NT2RP2002066, highly similar to Rattus norvegicus transmembrane receptor Unc5H2 mRNA; death, ZUS; SS=M; 3.86
 415457; AW081710; Hs.7389; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; MORN, sugar_Lr; TM=Y; SS=M; 3.86
 447061; D86964; Hs.17211; dedicator of cyto-kinesin 2; SH3; TM=M; 3.86
 426490; NM_001621; Hs.170087; aryl hydrocarbon receptor; PAC, PAS; TM=M; 3.86
 451961; NM_003800; Hs.27345; RNA guanylyltransferase and 5'-phosphatase; mRNA_cap_enzyme, DSPc, DNA_ligase, mRNA_cap_C; TM=M; 3.86
 417874; BE616160; Hs.82829; protein tyrosine phosphatase, non-receptor type 2; Y_phosphatase; TM=Y; 3.86
 448874; AW968304; Hs.56156; ESTs; none; RGS; 3.85
 418630; AI351311; Hs.251946; poly(A)-binding protein, cytoplasmic 1-like; pkinase; none; 3.85
 416140; AJ918055; Hs.301198; roundabout (axon guidance receptor, Drosophila) homolog 1; none; none; 3.85
 425474; Z48054; Hs.158084; peroxisome receptor 1; TPR; TM=M; 3.85
 413073; AL038165; Hs.75187; translocase of outer mitochondrial membrane 20 (yeast) homolog; MAS20, zf-A20, VPS9; TM=M; SS=M; 3.85
 411770; NM_014278; Hs.71992; heat shock protein (hsp110 family); HSP70; TM=M; 3.84
 428782; X12830; Hs.193400; Interleukin 6 receptor; fn3, Ig; TM=Y; SS=M; 3.84
 450684; AA872605; Hs.25333; Interleukin 1 receptor, type II; ig; TM=Y; SS=M; 3.84
 433376; AI249361; Hs.74122; caspase 4, apoptosis-related cysteine protease; CARD, ICE_p10, ICE_p20; SS=M; 3.83
 440332; AI218517; Hs.188051; ESTs; fn3, pkinase, SAM, EPH_rbd; none; 3.83
 445803; AV655284; Hs.4283; ESTs; pkinase, RGS, FH, myosin_head, Myosin_tail; 3.83
 435905; AW997484; Hs.5003; KIAA0456 protein; SH3, RhoGAP, FCH; TM=M; 3.83
 414991; C17898; gb:C17898 Human placenta cDNA (TFU) [Hsapiens] Homo sapiens cDNA clone GEN-554E10 5', mRNA sequence; Zip; none; 3.83
 423067; AA321355; Hs.285401; colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage); fn3; TM=Y; SS=M; 3.82
 419088; AI536323; Hs.52620; Integrin, beta 8; Integrin_B; none; 3.82
 411704; AI498220; Hs.71573; hypothetical protein FLJ10074; pkinase; TM=M; 3.82
 459348; AW510557; Hs.258016; EST; none; TM=M; 3.82
 445330; R52856; Hs.21891; ESTs; 7tm_1; none; 3.82
 451452; BE660065; Hs.26433; dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminylphosphotransferase 1 (GlcNAc-1-P transferase); Glycos_transf_4; TM=Y; SS=M; 3.81
 405546; ; Target Exon; ABC_tran, SRP54, ABC_membrane; TM=Y; SS=M; 3.81
 448165; NM_006591; Hs.20555; meiotic recombination [S. cerevisiae] 11 homolog B; Metallophos, Ribosomal_L15e; SS=M; 3.81
 416305; AU076628; Hs.79187; coxsackie virus and adenovirus receptor; ig; TM=Y; SS=M; 3.80
 415444; BE247285; Hs.78452; solute carrier family 20 (phosphate transporter), member 1; PHO4, LIM; TM=M; 3.80
 421684; BE261691; Hs.105768; hypothetical protein FLJ10511; Armadillo_seg; SS=M; 3.80
 438581; AW977786; Hs.292133; ESTs, Moderately similar to I78885 serine/threonine-specific protein kinase [H.sapiens]; pkinase, RIO1; none; 3.79
 439198; R40373; Hs.26298; ESTs; lon_trans; none; 3.78
 450931; N25156; Hs.25648; tumor necrosis factor receptor superfamily, member 5; TNFR_c6; TM=Y; SS=M; 3.78
 417891; AU076810; Hs.82399; low density lipoprotein receptor defect C complementing; none; SS=M; 3.78
 430355; NM_008219; Hs.239818; phosphoinositide-3-kinase, catalytic, beta polypeptide; PI3, PI4_kinase, PI3Ka, PI3K_C2, PI3K_rbd, PI3K_p85B; TM=M; 3.78
 448119; H38587; Hs.346509; dedicator of cyto-kinesin 1; none; TM=Y; 3.78
 442013; AA508476; Hs.10600; Human DNA sequence from clone RP11-353C18 on chromosome 20 Contains ESTs, STSs, GSSs and CpG islands. Contains the NIF8 gene for cysteine desulfurase, two genes for novel proteins and the gene for the splicing factor CC1.3 with a second isoform (CC1.; none; none; 3.77
 425481; AW978182; Hs.18571; ESTs; none; Oxysterol_BP; 3.77
 411411; AA345241; Hs.56950; ESTs, Weakly similar to KIAA1330 protein [H.sapiens]; RNA_pol_A, Ig, MHCK_EF2_kinase; SS=M; 3.77
 426866; U02330; Hs.172816; neuregulin 1; Peptidase_M49, EGF, Ig, Neuregulin; TM=M; 3.77
 430399; D49742; Hs.241383; hyaluronan-binding protein 2; ank, death, ZUS, EGF, kringle, Iypsin, Nebulin, LIM; SS=M; 3.77
 434398; AA121088; Hs.3838; serum-inducible kinase; pkinase, POLO_box; TM=M; 3.77
 415485; AW272990; Hs.18571; ESTs; none; Oxysterol_BP; 3.76
 453226; AA641926; Hs.61712; pyruvate dehydrogenase kinase, isoenzyme 1; HATPase_c; none; 3.76
 418758; AW959311; Hs.172012; hypothetical protein DKFZp434J037; pkinase, RIO1; TM=M; 3.76
 424842; AA034127; Hs.153487; signal transducing adaptor molecule (SH3 domain and ITAM motif) 1; SH3, VHS, UIM; TM=M; 3.75
 426500; NM_014838; Hs.170156; KIAA0450 gene product; C2, PI-PLC-Y; TM=M; 3.75
 419952; AK000967; Hs.83872; KIAA1682 protein; none; TM=M; 3.75
 425424; NM_004954; Hs.157199; ELKL motif kinase; pkinase, UBA, KA1; TM=M; 3.75
 431666; AA259068; Hs.267819; protein phosphatase 1, regulatory (inhibitor) subunit 2; none; SS=M; 3.75

- 444184; T87841; Hs.282990; Human DNA sequence from clone RP1-28H20 on chromosome 20q13.1. Contains part of a gene for a novel protein similar to membrane transport proteins, the 5' end of a novel gene. ESTs, STSs, GSSs and three CpG islands; pkinase,RIO1,APH,KOW;TM=M; 3.75
- 405411; ; ENSP0000022213: SODIUM BICARBONATE COTRANSPORTER; none;TM=Y;SS=M; 3.75
- 405602; ; Target Exon; pkinase;SS=M; 3.75
- 429355; AW973253; Hs.292589; ESTs; pkinase,bZIP,Armadillo_seg;none; 3.75
- 430153; AW958128; Hs.336679; ESTs; pkinase;none; 3.74
- 414180; AJ863304; Hs.120905; Homo sapiens cDNA FLJ11448 fis, clone HEMBA1001391; P13_P14_kinase,P13Ka,P13K_C2,P13K_rbd,P13K_p85B;none; 3.74
- 432236; AA531132; ; gb:U47h06.s1 NCI_CGAP_P19 Homo sapiens cDNA clone, mRNA sequence; pkinase;none; 3.74
- 433390; AA586950; Hs.260180; Homo sapiens mRNA; cDNA DKFZp761G18121 (from clone DKFZp761G18121); complete cds; none;spectrin,SH3,PH,CH; 3.74
- 426485; NM_005207; Hs.170040; platelet-derived growth factor receptor-like; lg;SS=M; 3.74
- 408414; AJ114688; Hs.17998; ESTs, Weakly similar to 2109260A B cell growth factor [H.sapiens]; fn3,lg;TM=Y;SS=M; 3.73
- 409793; AJ825463; Hs.147996; protein kinase, X-linked; pkinase,pkinase_C;TM=M; 3.73
- 412456; T32689; Hs.7859; ESTs; BAG;none; 3.73
- 407694; AJ278313; Hs.41143; phosphoinositide-specific phospholipase C-beta 1; C2,PI-PLC-Y,PI-PLC-X;TM=M; 3.73
- 442229; AJ885776; Hs.8164; Mullerian mimic; MATH,DENN,GRAM,zf-box,dDENN,dDENN;SS=M; 3.73
- 450151; AO88196; Hs.22968; Homo sapiens clone IMAGE:451939, mRNA sequence; lg,pkinase;none; 3.72
- 408331; NM_007240; Hs.44229; dual specificity phosphatase 12; DSPC;TM=M; 3.72
- 417821; BE245149; Hs.82643; protein tyrosine kinase 9; coflin_ADF;SS=M; 3.72
- 403391; ; C3001164.g[1730196]P50673[GAR3_RAT GAMMA-AMINOBUTYRIC-ACID RECEPTOR RHO-3 SUBUNIT PRE; none;TM=Y; 3.72
- 417627; NM_0203524; ; gb:z56610.r1 Soares_fetal_liver_spleen_INFLS_S1 Homo sapiens cDNA clone 5, mRNA sequence; SH3;SS=M; 3.71
- 428428; AL037544; Hs.184298; cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase); pkinase;TM=M; 3.71
- 428180; AH229787; Hs.182874; guanine nucleotide binding protein (G protein) alpha 12; G-alpha,arf;TM=M; 3.71
- 422127; AW504286; Hs.112049; SET binding factor 1; dDENN,DENN,GRAM,PH;SS=M; 3.70
- 430570; AJ417881; Hs.292484; ESTs; 7tm_2,Fz,Frizzled;none; 3.70
- 452561; AJ892181; Hs.49166; KIAA1634 protein; TPR,PDZ,WW,Guanylate_kin;TM=M; 3.69
- 432336; NM_002759; Hs.274382; protein kinase, interferon-inducible double stranded RNA dependent; dsrm,pkinase;TM=M; 3.69
- 419945; AW290975; Hs.118823; ESTs; SH3,POZ,Guanylate_kin,transferrin; 3.69
- 426539; AB011155; Hs.170290; discs, large (Drosophila) homolog 5; SH3,PDZ,Guanylate_kin;TM=M; 3.68
- 436534; AA721628; Hs.191568; immunoglobulin superfamily receptor translocation associated 2; lg;TM=Y;SS=M; 3.68
- 407202; NS8172; Hs.109370; ESTs; F5_F8_type_C,pkinase,Ets;none; 3.67
- 420297; AI628272; Hs.88323; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; pkinase,TUDOR;none; 3.67
- 417863; AB000460; Hs.82771; vaccinia related kinase 2; pkinase;TM=M; 3.67
- 425304; AA483844; Hs.31339; fibroblast growth factor 11; FGF,Neur_chan_LBD,Neur_chan_memb;none; 3.67
- 418316; AW7732; Hs.84072; transmembrane 4 superfamily member 3; transmembrane4;TM=Y;SS=M; 3.67
- 419511; AA429750; Hs.75113; general transcription factor IIIA; Glypican;none; 3.66
- 424315; AW514850; Hs.193384; putative 28 kDa protein; none;none; 3.66
- 413076; U10584; Hs.75188; wee1 (S. pombe) homolog; pkinase;TM=M; 3.66
- 425838; NM_014071; Hs.159613; nuclear receptor coactivator RAP250; peroxisome proliferator-activated receptor interacting protein; thyroid hormone receptor binding protein; none;TM=M; 3.65
- 446983; AA157484; Hs.97199; complement component C1q receptor; EGF,lectin_c,Tissue_fac,Xlink,TIL;TM=Y;SS=M; 3.65
- 434350; AL042840; Hs.93872; KIAA1682 protein; none;none; 3.65
- 457317; AA683016; Hs.12210; hypothetical protein FLJ13732 similar to tensin; SH2;TM=M; 3.65
- 434416; AA805903; Hs.59498; cell division cycle 2-like 5 (cholinesterase-related cell division controller); pkinase;none; 3.65
- 410174; AA308007; Hs.59461; DKFZP434C245 protein; none,DSPC; 3.65
- 423598; BE247600; Hs.155538; ESTs; 7tm_1;TM=Y;SS=M; 3.65
- 440861; BE244115; Hs.7482; KIAA0682 gene product; rrm,Guanylate_kin;TM=M; 3.64
- 454954; AW993013; Hs.49169; KIAA1634 protein; TPR,PDZ,WW,Guanylate_kin;TM=M; 3.64
- 430250; NM_016929; Hs.283021; chloride intracellular channel 5; none;TM=M; 3.64
- 450587; AJ828854; Hs.258538; striatin, calmodulin-binding protein; pkinase,WD40;TM=Y; 3.64
- 424893; AW295112; Hs.153648; Homo sapiens cDNA FLJ13303 fis, clone OVARC1001372, highly similar to Homo sapiens liprin-alpha4 mRNA; SAM;SS=M; 3.64
- 425645; AA361027; ; gb:EST170242 T-cell lymphoma Homo sapiens cDNA 5' end, mRNA sequence; HMG_box,DNA_mis_repair,HATPase_c;none; 3.64
- 417426; NM_002291; Hs.82124; laminin, beta 1; laminin_EGF,laminin_Nterm,Integrin_B;SS=M; 3.63
- 451282; AB037716; Hs.26204; KIAA1235 protein; SH3;TM=M; 3.63
- 412314; AA825247; Hs.250899; heat shock factor binding protein 1; 7tm_1;TM=Y;SS=M; 3.63
- 418303; AA215701; Hs.186541; ESTs, Weakly similar to I38022 hypothetical protein [H.sapiens]; eIF5,eIF2B,W2,pkinase,UBA,KAI; 3.63
- 452718; AJ914925; Hs.222240; ESTs; SH2,STAT,STAT_bind,STAT_prot;none; 3.63
- 403869; ; NM_004520: Homo sapiens kinesin heavy chain member 2 (KIF2), mRNA. member 3 (KCNQ3), mRNA; kinesin;TM=M; 3.63
- 450377; AB033091; Hs.74313; KIAA1265 protein; Zip;TM=M;SS=M; 3.63
- 417793; AW405434; Hs.82575; small nuclear ribonucleoprotein polypeptide B'; rrm;TM=M; 3.63
- 404942; U30825; ; splicing factor, arginine/serine-rich 9; CD38;TM=Y;SS=M; 3.63
- 429554; NM_012275; Hs.207224; interleukin 1, delta; IL1;TM=M; 3.63
- 417871; AA521368; Hs.24252; ESTs; IBB,Armadillo_seg;none; 3.62
- 437872; AW748265; Hs.5741; flavohemoglobin b57; hemo_1,NAD_binding,lipoxygenase,FAD_binding_B;TM=M; 3.62
- 436698; AW297855; Hs.125815; ESTs, Weakly similar to I38022 hypothetical protein [H.sapiens]; lipoxygenase,PLAT;none; 3.62
- 447217; BE465754; Hs.17778; neuropilin 2; CUB,MAM,F5_F8_type_C;TM=M;SS=M; 3.61
- 407961; AW672938; Hs.41694; origin recognition complex, subunit 2 (yeast homolog)-like; none,pkinase,pro_isomerase; 3.61
- 428840; M15990; Hs.194148; v-src-1 Yamaguchi sarcoma viral oncogene homolog 1; SH2,SH3,pkinase;SS=M; 3.61
- 455608; BE011437; ; gb:CM4-BN0220-080500-170-f03 BN0220 Homo sapiens cDNA, mRNA sequence; none,CDK5_activator; 3.61
- 407748; AL079409; Hs.38176; KIAA0606 protein; SCN Circadian Oscillatory Protein (SCOP); PP2C,LRR,PH;TM=M; 3.60
- 421474; U76362; Hs.104637; solute carrier family 1 (glutamate transporter), member 7; SDF;TM=Y;SS=M; 3.60
- 449987; AW079749; Hs.184719; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; ABC_tran,ABC_membrane_ion_trans; 3.60
- 403142; ; NM_002706: Homo sapiens protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform (PPM1B), mRNA; PP2C;TM=M; 3.60
- 400844; ; NM_003105: Homo sapiens sortilin-related receptor, LDLR class A repeats-containing (SORL1), mRNA; EGF,fn3,ldl_recept_a,ldl_recept_b,granulin,BNR;TM=Y;SS=M; 3.59
- 450152; AJ138635; Hs.22888; Homo sapiens clone IMAGE:451939, mRNA sequence; lg,pkinase;none; 3.59
- 429782; NM_005754; Hs.220689; Ras-GTPase-activating protein SH3-domain-binding protein; rrm,NTF2;TM=M; 3.59
- 436468; AK001455; Hs.5198; Down syndrome critical region gene 2; none;SS=M; 3.59
- 437400; AB011542; Hs.56599; EGF-like domain, multiple 5; TNFR_c6,laminin_EGF;TM=Y; 3.58
- 426797; AW938258; Hs.342849; ADP-ribosylation factor-like 5; arf,Ca_channel_B,SH3; 3.58
- 431170; AW971248; Hs.291022; ESTs; LRR,CARD;none; 3.58
- 434542; AA769310; Hs.61260; hypothetical protein FLJ13164; PH,Oxytetro_BP;TM=M;SS=M; 3.58

- 420181; A1380089; Hs.158951; ESTs; none; ig, kinase, LRR, LRRCT; 3.57
 450572; A1700863; Hs.202494; Homo sapiens cDNA FLJ13245 fis, clone OVARC1000881; Na_sulph_symp; none; 3.57
 433618; AA602539; Hs.345494; ESTs; G-alpha_A_deaminase; 3.57
 452695; AW780199; Hs.30327; mitogen-activated protein kinase-activated protein kinase 5; kinase; none; 3.57
 418512; AW489974; ; diacylglycerol kinase, zeta (104kD); ras; none; 3.57
 451752; AB032997; Hs.26966; KIAA1171 protein; ATP-synt_C, TBC; TM=Y; SS=M; 3.57
 417129; A1381800; Hs.300684; calcitonin gene-related peptide-receptor component protein; none; none; 3.57
 449474; AA019344; Hs.2055; ubiquitin-activating enzyme E1 (A199T and B175 temperature sensitivity complementing); Thif, UBACT, pkinase, UCH-2, UCH-1, mm, z1-C2H2, z1-RanBP, G-patch; 3.57
 412124; H43378; Hs.288550; Homo sapiens cDNA: FLJ23156 fis, clone LNG09609; none; none; 3.56
 435021; AA922192; Hs.54709; ESTs; EPH_1bd, kinase, fn3, SAM; none; 3.56
 431341; AA307211; Hs.251531; proteasome (prosome, macropain) subunit, alpha type, 4; proteasome; TM=M; 3.56
 437387; A1198874; Hs.28847; ADO26 protein; none; 7tm_1, WD40; 3.56
 422583; AA410506; Hs.27973; KIAA0874 protein; ank, G-alpha; TM=M; 3.56
 452102; U04343; Hs.27954; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen); none; TM=Y; SS=M; 3.56
 420112; NM_005109; Hs.95220; oxidative-stress responsive 1; pkinase; TM=M; 3.55
 437639; AA827712; Hs.291880; ESTs; SH3; none; 3.55
 457500; NM_002759; Hs.274382; protein kinase, interferon-inducible double stranded RNA dependent; dsrm, pkinase; TM=M; 3.55
 415660; A1909007; Hs.78653; ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7); UQ_con; TM=M; 3.55
 423393; R37772; Hs.21420; p21-activated protein kinase 6; pkinase, PBD; TM=M; 3.55
 428727; AF078847; Hs.191356; general transcription factor IIF, polypeptide 2 (44kD subunit); PHO4, LIM; TM=M; 3.55
 411190; AA306342; Hs.69171; protein kinase C-like 2; kinase, pkinase_C, HR1; TM=M; 3.55
 409883; R58665; Hs.46847; TRAF and TNF receptor-associated protein; Exo_endo_phos; TM=M; 3.55
 412350; A1658308; Hs.73826; protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte); Y_phosphatase, Band_41, PDZ; TM=M; 3.55
 446742; AA232119; Hs.16085; putative G-protein coupled receptor; none; TM=Y; SS=M; 3.55
 427283; AL119796; Hs.174185; ectonucleotide pyrophosphatase/phosphodiesterase 2 (autotaxin); Sulfatase, Somatomedin_B, Phosphodiast, Endonuclease; TM=M; SS=Y; 3.55
 414888; ALJ039185; Hs.77558; thyroid hormone receptor interactor 7; HMG14_17; none; 3.55
 424848; A1263231; Hs.327090; EST; SH3, PDZ, Guanylate_kin, none; 3.54
 402704; ; C1001099; gi6005896[ref]NP_009101.1 testis-specific protein kinase 2 [Homo sapiens] gi4; none; none; 3.54
 444098; D87432; Hs.10315; solute carrier family 7 (cationic amino acid transporter, y system), member 6; aa_permeasase; TM=Y; SS=M; 3.54
 429687; A1657549; Hs.211608; nucleoporin 153kD; z1-RanBP, integrin_B; TM=M; 3.53
 413879; AA132861; Hs.212533; Homo sapiens cDNA: FLJ22572 fis, clone HSI02313; none; none; 3.53
 431045; AW958560; Hs.301957; nudix (nucleoside diphosphate linked moiety X)-type motif 5; NUDIX, secY, E1, dehydrog, transket_pyr; TM=Y; SS=M; 3.53
 423855; AA331761; Hs.254859; ESTs; none, kinase, UQ_con, wva, FG-GAP, integrin_A; 3.53
 440882; AW362162; Hs.27181; nuclear receptor binding factor-2 cyclin, bZIP; TM=M; 3.52
 410686; A1733735; Hs.114905; IRE1, S. cerevisiae, homolog of; kinase, Bacterial_PQ2; TM=M; SS=M; 3.52
 449810; AB008681; Hs.23994; activin A receptor, type IIB; pkinase, Activin_recpt; TM=Y; SS=M; 3.52
 418755; Y14443; Hs.88219; zinc finger protein 200; z1-C2H2, z1-BED; TM=M; 3.52
 448804; AW512213; Hs.342849; ADP-ribosylation factor-like 5; arf, Ca_channel_B, SH3; 3.52
 438507; AA809052; Hs.182018; ESTs; none; none; 3.52
 456559; A1336273; Hs.102540; glucocorticoid receptor DNA binding factor 1; none, PAS; 3.51
 410054; AL120050; Hs.58220; Homo sapiens cDNA: FLJ23005 fis, clone LNG00396, highly similar to AF055023 Homo sapiens clone 24723 mRNA sequence; RasGAP, adenylatekinase; 3.51
 422321; AA906427; Hs.181035; hypothetical protein MGC11296; none; TM=M; 3.51
 445701; AF055681; Hs.13131; lymphocyte adaptor protein; SH2, PH; TM=M; 3.50
 407393; AB038237; ; gbHomo sapiens mRNA for G protein-coupled receptor C5L2, complete cds.; 7tm_1; TM=Y; SS=M; 3.50
 443303; U57319; Hs.9216; caspase 7, apoptosis-related cysteine protease; pkinase, ICE_p10, ICE_p20; TM=M; SS=M; 3.50
 420673; AB008112; Hs.59947; peroxisome biogenesis factor 1; AAA, APS_kinase; TM=M; SS=M; 3.49
 424663; NM_002351; Hs.151544; SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome); SH2; TM=M; 3.49
 429327; AA283961; Hs.199248; prostaglandin E receptor 4 (subtype EP4); 7tm_1; TM=Y; SS=M; 3.49
 400178; ; Eos Control; none, Somatomedin_B; 3.49
 439549; AW937888; Hs.137314; ESTs; SH2; none; 3.49
 436345; AA873008; Hs.121572; ESTs; CARD, BIR, z1-C3HC4, CARD, BIR, z1-C3HC4; 3.49
 427658; Hs1387; Hs.30868; nogo receptor; LRR, LRRNT, LRRCT; SS=M; 3.48
 402833; ; C1002508[gi6691937]emb[CAB65797.1] (A1086770) bA150A6.2 (novel 7 transmembrane receptor; none; none; 3.48
 442363; A1337304; Hs.23120; PIST; fn3, pkinase, PDZ, DUF139; TM=Y; SS=M; 3.48
 409132; A1224538; Hs.50732; protein kinase, AMP-activated, beta 2 non-catalytic subunit; none; TM=M; 3.47
 417971; Y08991; Hs.83050; phosphoinositide-3-kinase, regulatory subunit 4, p150; pkinase, WD40, HEAT; SS=M; 3.47
 432169; Y00971; Hs.2910; phosphoribosyl pyrophosphate synthetase 2; Pribosyltran; 3.47
 447425; A1963747; Hs.18573; acylphosphatase 1, erythrocyte (common) type; Acylphosphatase; SS=M; 3.47
 427231; AW851989; Hs.285814; sprouty (Drosophila) homolog 4; SH2, SH3; TM=M; SS=M; 3.46
 401851; ; NM_002401; Homo sapiens mitogen-activated protein kinase kinase kinase 3 (MAP3K3), mRNA.; kinase; SS=M; 3.46
 407877; AW016611; Hs.234478; Homo sapiens cDNA: FLJ22648 fis, clone HSI07329; pkinase, pkinase_C; none; 3.45
 432278; N95104; Hs.274260; ATP-binding cassette, sub-family C (CFTR/MRP), member 6; ABC_tran, ABC_membrane; none; 3.45
 437103; AW139408; Hs.152940; ESTs; Cholina_kinase; none; 3.45
 420338; AA825595; Hs.88269; Homo sapiens, clone MGC:17339, mRNA, complete cds; 7tm_1; TM=Y; SS=M; 3.44
 422209; AF005210; Hs.113222; chemokine (C-C motif) receptor 8; 7tm_1, 7tm_2; TM=Y; SS=M; 3.44
 410781; A1375672; Hs.165028; ESTs; pkinase, laminin_N_term, laminin_EGF_cyclin_F-box, cyclin_C_serpin, ATP-synt_C; 3.44
 437296; AA350994; Hs.20281; KIAA1700; Rhodanese, DSPC; TM=M; 3.43
 419855; A1935182; Hs.144139; ESTs; z1-C3HC4, UBA, Cbl_N, Cbl_N2, Cbl_N3, z1-C3HC4, UBA, Cbl_N, Cbl_N2, Cbl_N3; 3.43
 433336; AF071986; Hs.31386; secreted frizzled-related protein 2; Fz, NTR; SS=M; 3.43
 428483; A1908539; Hs.184592; KIAA0344 gene product; none; none; 3.43
 445119; AF035121; Hs.12337; kinase insert domain receptor (a type III receptor tyrosine kinase); ig, pkinase; TM=Y; SS=M; 3.42
 454468; A1590319; Hs.18122; eukaryotic translation initiation factor 4E-like 3; none, Neur_chan_LBD, Neur_chan_memb, JF4E; 3.42
 410386; W26187; Hs.3327; Homo sapiens cDNA: FLJ22219 fis, clone HRC01637; pkinase, Guanylate_kin, PDZ, SH3, L27; none; 3.42
 422907; A1879263; Hs.77273; Human glucose transporter pseudogene; none; none; 3.42
 449816; A1701457; Hs.38694; ESTs; SET, BAH, PK, PK_C; 3.42
 440074; AA863045; Hs.10659; ESTs, Weakly similar to T00050 hypothetical protein KIAA0400 [H.sapiens]; SH3, ank, tubulin-binding, ArfGap, PH; TM=M; SS=M; 3.42
 425475; W56339; Hs.107057; ESTs; pkinase; none; 3.42
 401242; AB028888; ; mitogen-activated protein kinase B interacting protein 3; Cys_knot, TGF-beta, wva, vwc, vwd, TIL, DUF139; SS=M; 3.41
 429276; AF056085; Hs.198612; G protein-coupled receptor 51; 7tm_3, ANF_receptor, bZIP; TM=Y; 3.41
 445800; AA126419; Hs.32944; inositol polyphosphate-4-phosphatase, type I, 107kD; none; none; 3.41
 410908; AA121888; Hs.10592; ESTs; GTP_EFTU, GTP_EFTU_D3, GTP_EFTU_D2; none; 3.41

- 452960; AK001335; Hs.31137; protein tyrosine phosphatase, receptor type, E; Y_phosphatase, none; 3.40
 447898; AW969636; Hs.112318; 6.2 kd protein; none, none; 3.40
 450402; BE218027; Hs.89969; ESTs; SH3, none; 3.40
 441466; AW673081; Hs.54828; ESTs; pkinase, zf-C2H2, KRAB, none; 3.40
 408546; W49512; Hs.46348; bradykinin receptor B1; 7tm_1; TM=Y; SS=M; 3.40
 410927; T77635; ; gb:yc91h06.r1 Soares Infant brain 1N1B Homo sapiens cDNA clone 5', mRNA sequence; none, none; 3.40
 408546; AW161391; Hs.709; deoxycytidine kinase; dNK; SS=M; 3.39
 417165; R80137; Hs.302736; Homo sapiens cDNA: FLJ21425 fis, clone COL04162; Sulfate_transp.STAS,HMG_box; 3.39
 449343; A151418; ; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calmodulin A alpha); none, none; 3.39
 450511; R07423; Hs.85092; thyroid hormone receptor interactor 11; Myosin_tail,EGF; 3.39
 414271; AK000275; Hs.75871; protein kinase C binding protein 1; bromodomain,PHD,PWWP,zf-MYND;TM=M; 3.38
 418428; Y12480; Hs.85092; thyroid hormone receptor interactor 11; bZIP,kinesin,GTP_cyclohydrol.M;TM=M; 3.37
 422369; AF005216; Hs.115541; Janus kinase 2 (a protein tyrosine kinase); SH2,pkinase;TM=M; 3.37
 456451; A1761180; Hs.94211; rod1 (required for cell differentiation, S.pombe) homolog 1; none;TM=M; 3.37
 438543; AA810141; Hs.182182; ESTs; SH2,pkinase,none; 3.37
 401943; NM_012434; ; solute carrier family 17 (anion/sugar transporter), member 6; none;TM=M; 3.36
 415276; U88666; Hs.78353; SFRS protein kinase 2; pkinase;TM=M; 3.36
 447881; BE620886; Hs.75354; GCN1 (general control of amino-acid synthesis 1, yeast)-like 1; pkinase,pkinase; 3.35
 434533; AA639257; Hs.282549; ESTs; SH3,PDZ,Guanylate_kin,none; 3.35
 42639; AW973785; ; gb:EST385886 MAGE resequences, MAGM Homo sapiens cDNA, mRNA sequence; none,IRK; 3.35
 410578; BE540516; Hs.293732; hypothetical protein MGC3195; Armadillo_seg;TM=M;SS=Y; 3.35
 402807; ; ENSP00000235229;SEMB; integrin_B,Sema,PSI;TM=Y; 3.35
 420189; AW296380; Hs.95821; osteoclast stimulating factor 1; SH3,ank; 3.34
 437389; AF055857; Hs.271566; hypothetical protein DKFZp762M115; sacY,E1_dehydrog.transket_pyr,none; 3.34
 453423; NM_002647; Hs.32971; phosphoinositide-3-kinase, class 3; PI3_PI4_kinase,PI3Ka,PI3K_C2;TM=M; 3.34
 414270; L20852; Hs.347527; solute carrier family 20 (phosphate transporter), member 2; Enterotoxin_A,PHO4;TM=Y;SS=M; 3.33
 417479; AJ067052; ; ESTs; Weakly similar to Z195_HUMAN ZINC FINGER PROTEIN 195 [H.sapiens]; LRR,CARD,none; 3.33
 424848; M64572; Hs.153932; protein tyrosine phosphatase, non-receptor type 3; Band_41,PDZ,Y_phosphatase,none; 3.33
 452681; AF153330; Hs.30248; solute carrier family 19 (thiamine transporter), member 2; Folate_carrier;TM=Y;SS=M; 3.33
 426477; AA379464; ; gb:EST92385 Skin tumor I Homo sapiens cDNA 5' end, mRNA sequence; DUF6,MATH,BTB; 3.33
 438263; A1458931; Hs.37262; ESTs; none,transmembrane4; 3.33
 421327; AA837295; Hs.188802; ESTs; none,IMP4,Y_phosphatase; 3.33
 432481; AW451645; Hs.151504; Homo sapiens cDNA FLJ11973 fis, clone HEMBB1001221; laminin_G,Collagen,COLFI,CorA,TSPN,none; 3.33
 452682; AA461193; Hs.9071; progesterone membrane binding protein; homeobox,none; 3.32
 428997; AF085391; Hs.194718; zinc finger protein 265; zf-RanBP;TM=M; 3.32
 453211; BE274530; Hs.273333; hypothetical protein FLJ10986; FGGY_C;TM=M; 3.31
 443601; A1078550; Hs.15882; ESTs; ank,pkinase,death,Ribosomal_S14; 3.31
 430597; AF262006; Hs.285529; G protein-coupled receptor 49; 7tm_1,LRR,LRRNT;TM=Y;SS=M; 3.31
 419912; AF249745; Hs.6066; Rho guanine nucleotide exchange factor (GEF) 4; SH3,PH,RhoGEF;TM=M; 3.31
 400380; NM_018485; Hs.283079; G protein-coupled receptor C5L2; 7tm_1;TM=Y;SS=M; 3.31
 415883; A1438788; Hs.117078; Homo sapiens cDNA: FLJ23028 fis, clone LNG01852, highly similar to HSU08023 Human cellular proto-oncogene (c-met) mRNA; tn3,ig,pkinase;TM=Y;SS=M; 3.31
 441054; AA913591; Hs.126480; ESTs; none,7tm_1; 3.31
 418342; BE002723; ; leptin receptor; ICE_p20,DED,ICE_p10,ICE_p20,DED; 3.31
 446128; AW835779; Hs.113029; ribosomal protein S25; none,7tm_1; 3.31
 425086; AW957571; Hs.12319; Homo sapiens cDNA FLJ12774 fis, clone NT2RP2001663, moderately similar to ENOLASE (EC 4.2.1.11); none,Guanylate_kin,PDZ,SH3; 3.31
 425725; NM_012243; Hs.159322; solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member 3; DUF6;TM=Y;SS=M; 3.30
 422808; AW160644; Hs.118695; potassium voltage-gated channel, subfamily G, member 1; Ion_trans,K_tetra;TM=Y; 3.30
 428061; Y14038; Hs.185176; CASP8 and FADD-like apoptosis regulator; ICE_p20,DED;TM=M; 3.30
 433656; AW974941; Hs.292385; ESTs; Weakly similar to 178885 serine/threonine-specific protein kinase [H.sapiens]; pkinase,ABC1,none; 3.30
 413132; NM_006823; Hs.75203; protein kinase (cAMP-dependent, catalytic) inhibitor alpha; PKI;SS=M; 3.30
 402603; ; ENSP00000261205;KIAA0778 PROTEIN (FRAGMENT); none;TM=Y; 3.30
 418801; AA228366; Hs.115122; ESTs; Integrin_A,FG-GAP,none; 3.30
 400275; ; NM_006513; Homo sapiens seryl-tRNA synthetase (SARS), mRNA. (SAM68), mRNA; tRNA-synt_2b,Seryl_tRNA_N;TM=M; 3.29
 440286; U29559; Hs.7138; cholinergic receptor, muscarinic 3; 7tm_1;TM=Y; 3.29
 409101; NM_004297; Hs.50612; guanine nucleotide binding protein (G protein), alpha 14; G-alpha,none; 3.29
 432738; AA788898; Hs.178902; transporter-like protein; none;TM=Y;SS=M; 3.29
 408738; NM_014785; Hs.47313; KIAA0258 gene product; none;TM=M; 3.29
 443195; BE148235; Hs.193083; Homo sapiens cDNA FLJ14201 fis, clone NT2RP3002955; Aa_trans,none; 3.29
 405328; ; NM_005391; Homo sapiens pyruvate dehydrogenase kinase, isoenzyme 3 (PDK3), mRNA; HATPase_c;SS=M; 3.28
 418764; N30531; Hs.42215; protein phosphatase 1, regulatory subunit 6; none,none; 3.28
 408756; AA624743; Hs.44883; ESTs; Armadillo_seg,IBB,DEAD,hellcase_C,Sec63,DDIT,PHD,bromodomain;TM=M; 3.28
 415474; NM_014252; Hs.182587; solute carrier family 25 (mitochondrial carrier, ornithine transporter) member 16; mito_car;TM=M; 3.28
 417805; U38545; Hs.82587; phospholipase D1, phosphatidylcholine-specific; PH,PLDc,PX;TM=M; 3.28
 410254; BE004131; Hs.318510; Homo sapiens cDNA FLJ13682 fis, clone PLACE2000015, weakly similar to EPIDERMAL GROWTH FACTOR RECEPTOR SUBSTRATE SUBSTRATE 15; ehand,none; 3.28
 443868; AA287702; Hs.10031; KIAA0955 protein; CARD;TM=M;SS=M; 3.28
 438899; AF085833; Hs.135624; ESTs; none,PI3_PI4_kinase,PI3Ka,PI3K_C2,PI3K_rbd,PI3K_p85B; 3.27
 415663; AW296841; Hs.313332; ESTs; UQ_con,Neur_chan_LBD,Neur_chan_memb; 3.27
 414087; W19712; ; gb:zb36d03.r1 Soares parathyroid tumor_NbHPA Homo sapiens cDNA clone 5', mRNA sequence; pkinase,none; 3.27
 442833; AA328153; Hs.88201; ESTs; Weakly similar to A Chain A, Crystal Structure Of The Human Acyl Protein Thioesterase 1 At 1.5 A Resolution [H.sapiens]; abhydrolase_2;TM=M; 3.27
 444754; T83911; Hs.11881; transmembrane 4 superfamily member 4; none;TM=Y;SS=M; 3.26
 432579; AF043244; Hs.278439; nucleolar protein 3 (apoptosis repressor with CARD domain); CARD;TM=M; 3.26
 458943; AW249181; Hs.19954; ESTs; Weakly similar to T19873 hypothetical protein C41C4.2 - Caenorhabditis elegans [C.elegans]; none,pkinase,RGS; 3.26
 411974; AW880414; Hs.84264; acidic protein rich in leucines; E1-E2_ATPase,Cation_ATPase_C,Cation_ATPase_N,Hydrolase,asp; 3.26
 437145; AF007216; Hs.5462; solute carrier family 4, sodium bicarbonate cotransporter, member 4; HCO3_cotransp;TM=Y; 3.26
 423387; AJ012074; ; vasoactive intestinal peptide receptor 1; 7tm_2,HRM,CSD;TM=Y;SS=M; 3.25
 442643; U82756; Hs.3991; PRP4/STK40 splicing factor; WD40;SS=M; 3.25
 417525; R93355; Hs.192891; ESTs; Weakly similar to ALBU_HUMAN !!! ALLU CLASSE B WARNING ENTRY !!! [H.sapiens]; SH3,ig,pkinase,PH,spectrin,RhoGEF;SS=M; 3.25
 412283; ; gb:QV3-BT0379-140100-058-g12 BT0379 Homo sapiens cDNA, mRNA sequence; ion_trans,RYDR,TTPR,MIR,none; 3.25
 411213; AA676939; Hs.69285; neupilin 1; MAM,F5_F8_type_C,CUB,CUB,MAM,F5_F8_type_C; 3.25
 400352; AF227133; ; taste receptor, type 2, member 7; none;TM=Y;SS=M; 3.25

- 402974; ; Target Exon; Y_phosphatase, GnRH, hormone5, hormone4; 3.25
 407644; D16816; Hs.37288; nuclear receptor subfamily 1, group D, member 2; hormone_rec, zf-C4; TM=M; SS=M; 3.25
 421654; AW163267; Hs.106469; suppressor of var1 (S. cerevisiae) 3-like 1; helicase_C; SS=M; 3.25
 436022; AWS17524; Hs.135201; NOD2 protein; LRR, CARD, GTP_CDC, Viral_helicase1; TM=M; 3.24
 449964; AW001741; Hs.24243; hypothetical protein FLJ10706; pkinase; TM=M; 3.24
 428816; AA004986; Hs.193852; ATP-binding cassette, sub-family C (CFTR/MRP), member 2; EGF, sushi, trypsin, CUB, ABC_tran, ABC_membrane; SS=M; 3.24
 427319; AW631495; Hs.27135; B-cell receptor-associated protein BAP29; filament; TM=Y; SS=M; 3.24
 421970; AF227156; Hs.110103; RNA polymerase I transcription factor RRN3;
 aa_permeases, pyridoxal_deC, bromodomain, PHD, MBD, AT_hook, DDT, P13, P14_Kinase, FAT, FATC, BoIA, RUN; TM=M; 3.24
 411887; AW182924; Hs.128790; ESTs; pkinase; TM=M; 3.24
 430180; AA331406; Hs.75456; A kinase (PRKA) anchor protein 10; RGS; SS=M; 3.24
 410267; AW978005; Hs.12600; N-ethylmaleimide-sensitive factor attachment protein, beta; none; NTF2; 3.23
 410240; AL157424; Hs.61289; synaptojanin 2; Exo_endo_phos, Syja_N, rrm, Gram-vb_porins; TM=M; 3.23
 434510; AF143886; Hs.18190; EST; SH3, FCH, none; 3.22
 422592; BE081857; Hs.94211; rcd1 (required for cell differentiation, S.pombe) homolog 1; none; PI-PLC-X, PH, PI-PLC-Y, C2; 3.22
 439803; AA001021; Hs.6685; thyroid hormone receptor interactor 8; none; none; 3.22
 448520; AB002367; Hs.21355; doublecortin and CaM kinase-like 1; pkinase, DCX; TM=M; 3.22
 409245; AA381037; Hs.288036; tRNA isopentenylpyrophosphate transferase; Armadillo_seg; TM=M; 3.22
 456946; AA009716; Hs.42311; ESTs; none; DSPc, Y_phosphatase; 3.22
 409048; H59980; Hs.37699; ESTs; Armadillo_seg, IBB, none; 3.22
 420357; U94333; Hs.97199; complement component C1q receptor; EGF, lectin_c, Tissue_fac, Xlink, TIL; TM=Y; SS=M; 3.22
 426230; AA367019; Hs.241395; protease, serine, 1 (trypsin 1); trypsin, toxin_4; SS=M; 3.21
 411352; NM_002890; Hs.758; RAS p21 protein activator (GTPase activating protein) 1; SH2, SH3, C2, PH, RasGAP; TM=M; SS=M; 3.21
 436333; R33982; Hs.25283; cyclin-dependent kinase 8; pkinase; none; 3.20
 414202; BE276653; Hs.270379; transmembrane 6 superfamily member 1; 7tm_5; none; 3.20
 423651; D79248; Hs.279870; ESTs; Weakly similar to A46010 X-linked retinopathy protein [H.sapiens]; MglE; none; 3.20
 400987; ; C11000939; p[11464993]ref[NP_065260.1] gene for odorant receptor MOR83 [Mus musculus] glr6; none; TM=Y; SS=M; 3.20
 413760; Z255101; Hs.25127; Homo sapiens mRNA for KIAA1725 protein, partial cds; none; ank, ArfGap; 3.20
 408468; AI909712; Hs.93637; phosphatidylinositol transfer protein, membrane-associated; PX, PH, PLDc, PH, PLDc, PX; 3.20
 409463; AI458185; Hs.17296; hypothetical protein MGC2378; K_tetra; TM=M; 3.20
 425910; AA830797; Hs.184760; CCAAT-box-binding transcription factor; none; TM=M; 3.19
 423796; AF047033; Hs.132904; solute carrier family 4, sodium bicarbonate cotransporter, member 7; HCD3_cotransp; TM=Y; SS=M; 3.19
 407753; AL045916; Hs.293419; ESTs; Ephrin; none; 3.19
 419355; AA428520; Hs.90061; progesterone binding protein; heme_1; TM=Y; SS=M; 3.19
 454128; AL031268; Hs.41639; programmed cell death 2; zf-MYND; TM=M; 3.19
 421202; AF193339; Hs.102506; eukaryotic translation initiation factor 2-alpha kinase 3; pkinase; TM=Y; SS=M; 3.19
 446360; N42563; Hs.267914; homolog of mouse transient receptor potential-phospholipase C-interacting kinase CHAK; hypothetical protein FLJ20117;
 ion_trans, MHCK_EF2_kinase; TM=M; 3.18
 458882; R34993; Hs.226666; ESTs; Moderately similar to I54374 gene NF2 protein [H.sapiens]; CRAL_TRIO, PKI; 3.18
 424124; AA335809; Hs.7589; ESTs; Weakly similar to A46010 X-linked retinopathy protein [H.sapiens]; pkinase, TBC; 3.18
 444745; AF117754; Hs.11861; thyroid hormone receptor-associated protein, 240 kDa subunit; none; TM=M; 3.18
 426399; AA652586; Hs.301348; Homo sapiens cDNA FLJ13271 5a, clone OVARC1001000; SH3, HS1_rep; none; 3.18
 425836; AW955696; Hs.90980; ESTs; Cbl_N, Cbl_M2, Cbl_N3, UBA_zf-C3HC4; none; 3.18
 403335; ; NM_021815; Homo sapiens solute carrier family 5 (choline transporter), member 7 (SLC5A7), mRNA; SSF; TM=Y; SS=M; 3.17
 426788; AF082283; Hs.193516; B-cell CLL/lymphoma 10; CARD; TM=M; 3.17
 429558; AI391454; Hs.207251; nucleolar autoantigen (55kD) similar to rat synaptonemal complex protein; none; SS=M; 3.17
 440248; AA878138; Hs.153136; ESTs; SH2; none; 3.17
 423706; U95218; Hs.131924; G protein-coupled receptor 65; 7tm_1; TM=Y; SS=M; 3.17
 429752; H52348; Hs.36636; ESTs; pkinase, pkinase; 3.17
 446163; AA026880; Hs.25252; Homo sapiens cDNA FLJ13603 5a, clone PLACE1010270; none; NA; NA; 3.17
 456773; AI038192; Hs.129764; EGF-like repeats and discoidin I-like domains 3; rrm, SH3, myosin_head, IQ, MyTH4, EGF, F5_F8_type_C, Band_41; TM=M; 3.17
 434392; AW983705; Hs.260824; Homo sapiens cDNA: FLJ23435 5a, clone HRC12631; pkinase; none; 3.16
 435972; W95088; Hs.114198; ESTs; pkinase, OPR; none; 3.16
 441401; AI824338; Hs.126891; ESTs; Tissue_fac; TM=M; SS=M; 3.16
 410497; AL157648; Hs.157078; Homo sapiens cDNA FLJ12793 5a, clone NT2RP2002033; none; none; 3.16
 401113; H26530; ; solute carrier family 22 (organic cation transporter), member 1-like; none; none; SS=M; 3.16
 424833; NM_003894; Hs.153405; period (Drosophila) homolog 2; PAS; SS=M; 3.16
 453880; AI803166; Hs.28482; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; HSP70; none; 3.16
 435391; AA704588; Hs.58934; ESTs; PIP5K; none; 3.16
 428065; AI634046; Hs.157313; ESTs; ICE_p20, DED, ICE_p10, ICE_p20, DED; 3.15
 452658; AA721140; Hs.49930; ESTs; Weakly similar to putative p150 [H.sapiens]; SH3; none; 3.15
 426839; M74782; Hs.172689; interleukin 3 receptor, alpha (low affinity); none; TM=M; SS=M; 3.15
 421247; BE381727; Hs.102910; general transcription factor IIH, polypeptide 4 (52kD subunit); none; TM=M; 3.14
 440249; AI246590; Hs.249176; ESTs; TatD_DNase, pkinase, death; none; 3.14
 409519; AK001015; Hs.55220; BCL2-associated athanogene 2; BAG; TM=M; 3.13
 448135; AW130288; Hs.170318; hypothetical protein FLJ10147; hormone_rec, zf-C4; SS=M; 3.13
 400440; X83957; Hs.83870; nebulin; SH3, Nebulin; 3.12
 409099; AK000725; Hs.50579; hypothetical protein FLJ20716; Armadillo_seg; TM=M; 3.12
 434237; AF119908; Hs.235516; hypothetical protein PRO2955; none; SS=M; 3.12
 429179; AI127772; Hs.279699; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; pkinase, PX, pkinase_C; SS=M; 3.12
 422824; NM_012108; Hs.121128; BCR downstream signaling 1; SH2, PH; TM=M; 3.11
 409745; AA077391; ; gb:7B14E12 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA clone 7B14E12, mRNA sequence; 7tm_1, zf-C3HC4, fn3, SPRY, KRAB, zf-C2H2, rva, zf-B_box; TM=Y; SS=M; 3.11
 435411; AW444619; Hs.138211; ESTs; none; pkinase; 3.11
 424852; AI222779; Hs.144848; ESTs; adenylylase, SH2, pkinase; none; 3.11
 441970; AW959918; Hs.155160; ESTs; rrm, zf-C2H2; 3.11
 453370; AI470523; Hs.139336; ATP-binding cassette, sub-family C (CFTR/MRP), member 4; ABC_tran, ABC_membrane; TM=Y; 3.11
 413285; BE078405; ; gb:CV2-BT0617-080300-071-g03 BT0617 Homo sapiens cDNA, mRNA sequence; GCY_T; SS=M; 3.10
 429458; BE161832; Hs.292688; ESTs; pkinase, bZIP, Armadillo_seg; none; 3.10
 401185; ; NM_021625; Homo sapiens vanilloid receptor-related osmotically activated channel; OTRPC4 protein (OTRPC4), mRNA; ank, ion_trans; TM=Y; 3.10
 404537; Z25894; ; chloride channel 1, skeletal muscle (Thomsen disease, autosomal dominant); none; TM=Y; 3.10
 417089; H52280; Hs.18612; Homo sapiens cDNA: FLJ21909 5a, clone HEP03834; voltage_CLC, CBS; none; 3.09
 450792; AA400323; Hs.183041; ESTs; none; ABC_tran; 3.09

- 420361; N92054; Hs.194716; zinc finger protein 265; zf-RanBP, 7tm_1; 3.09
 44040; AF204231; Hs.182982; golgin-67; SH3, C2, PH, RhoGEF, ehfand; TM=M; 3.09
 416990; AF124145; Hs.80731; autocrine motility factor receptor; zf-C3HC4, CUE; TM=Y; 3.09
 442215; A1703172; Hs.129005; ESTs, Weakly similar to 2109260A B cell growth factor [H.sapiens]; none, none; 3.09
 424187; AA336561; Hs.17287; ESTs, Weakly similar to S26689 hypothetical protein hc1 - mouse [M.musculus]; IRK, none; 3.09
 426623; AA382826; Hs.132793; ESTs; none; TM=M; 3.08
 419577; L36531; Hs.91256; integrin, alpha 8; integrin_A, FG-GAP; TM=Y; 3.08
 426518; AL036456; Hs.171374; smg GDS-ASSOCIATED PROTEIN; Annadillo_seg; TM=M; 3.08
 445133; AW157646; Hs.153506; ESTs; ehfand, spectrin, GAS2, SH3, Pleckn, RA, Xylose_isom, FID, bZIP, Tropomyosin, Myo-LZ, M, Idh_C, CH, AIP3; TM=M; 3.08
 423681; AB023215; Hs.131525; Homo sapiens mRNA; cDNA DKFZp434E199 (from clone DKFZp434E199); partial cds; TTL; TM=M; 3.08
 426730; AA625947; Hs.25750; ESTs; HECT, none; 3.08
 427976; AW977806; Hs.80545; mitogen-activated protein kinase 8 interacting protein 2; Ribosomal_L37e, pkinase; 3.08
 412448; L12954; Hs.73895; tumor necrosis factor receptor superfamily, member 9; TNFR_p8; TM=Y; SS=M; 3.08
 416814; AW192307; Hs.80042; dolichyl-P-Glc:Man9GlcNAc2-PP-dolichylglucosyltransferase; Alg6, Alg8, 7tm_1; TM=Y; SS=M; 3.08
 427395; AW296741; Hs.97861; ESTs, Moderately similar to 138022 hypothetical protein [H.sapiens]; none, aldedh, aaknase; 3.08
 436267; AW450938; Hs.180115; ESTs; none, PFK; 3.07
 422309; U79745; Hs.114924; solute carrier family 16 (monocarboxylic acid transporters), member 6; sugar_tr; TM=Y; SS=M; 3.07
 439238; N47305; Hs.48688; ESTs; 7tm_1; TM=Y; SS=M; 3.07
 458760; A198531; Hs.111334; ferritin, light polypeptide; cystatin, ferritin, histone, HCO3_cotransp, SH3, RhoGAP, xan_ur_permease, FCH; SS=M; 3.07
 424236; AW058114; Hs.7837; phosphoprotein regulated by mitogenic pathways; pkinase; TM=M; 3.06
 427286; AW732802; Hs.2132; epidermal growth factor receptor pathway substrate 8; SH3, TonB_boxC; TM=M; 3.06
 423878; A1907090; Hs.52691; hypothetical protein PRO1853; cystatin, ferritin, histone, HCO3_cotransp, SH3, RhoGAP, xan_ur_permease, FCH; SS=M; 3.06
 419270; NM_005232; Hs.89839; EphA1; fn3, pkinase, SAM, EPH_jbd; TM=M; SS=M; 3.06
 450407; NM_000810; Hs.24969; gamma-aminobutyric acid (GABA) A receptor, alpha 5; Neur_chan_LBD, Neur_chan_memb; TM=Y; 3.06
 456249; A1208144; Hs.82508; HRIHFB2206 protein; none; SS=M; 3.06
 441560; F13386; Hs.7888; Homo sapiens clone 23735 mRNA sequence; pkinase, Recep_1_domain, Furin-like, YLP; none; 3.05
 445488; AB037782; Hs.15119; KIAA1361 protein; pkinase; SS=M; 3.05
 447495; AW401864; Hs.18720; programmed cell death 8 (apoptosis-inducing factor); pyr_redox; TM=M; 3.05
 425390; A1092634; Hs.156114; protein tyrosine phosphatase, non-receptor type substrate 1; lg; TM=Y; SS=M; 3.04
 409705; M37762; Hs.58023; brain-derived neurotrophic factor; NGF; SS=M; 3.04
 413962; AA331563; Hs.24578; sphingosine-1-phosphatase; PAP2; TM=Y; 3.04
 426578; R23027; ; gb: yh27e07.r1 Soares placenta Nb2HP Homo sapiens cDNA clone 5, mRNA sequence; pkinase, none; 3.04
 438005; BE151746; ; gb: PM1-HT0305-051299-003-ed6 HT0305 Homo sapiens cDNA, mRNA sequence; pkinase, UBA, KA1; none; 3.04
 438316; AA789249; Hs.80042; gb: aj27g08.s1 Soares testis_NHT Homo sapiens cDNA clone 1391582 3', mRNA sequence; none, none; 3.04
 452850; H23230; Hs.22481; ESTs, Moderately similar to A46010 X-linked retinopathy protein [H.sapiens]; CBS, voltage_CLC; none; 3.03
 405266; ; Target Exon; arf, G-alpha; SS=M; 3.03
 402615; ; C1003844::gil6912550[ref]NP_036483.1| olfactory receptor, family 10, subfamily J, member 1; none; TM=Y; SS=M; 3.03
 422803; W28689; Hs.138041; ESTs; transmembrane4, none; 3.02
 439326; AF086139; Hs.160423; cyclin-dependent kinase 9 (CDC2-related kinase); pkinase, Mur_ligase, Mur_ligase_C; 3.02
 416389; AA180072; Hs.149846; Integrin, beta 5; integrin_B, none; 3.02
 418836; A165498; Hs.161712; ESTs; pkinase, Activn_recpt, PDZ, ZU5, death; 3.02
 438996; AW748336; Hs.110613; KIAA0421 protein; none; TM=M; 3.02
 422676; D28481; Hs.1570; histamine receptor H1; 7tm_1; TM=Y; SS=M; 3.02
 450267; AW505538; Hs.243620; ESTs; pkinase, none; 3.01
 400586; ; Target Exon; none; TM=Y; 3.01
 407816; AW500857; Hs.40137; anaphase-promoting complex 1; meiotic checkpoint regulator; PI-PLC-X, C2, SH2, PH, SH3, PI-PLC-Y, PAN; none; 3.01
 429673; AA884407; Hs.211595; protein tyrosine phosphatase, non-receptor type 13 (APO-1/CDC95 (Fas)-associated phosphatase); Y_phosphatase, Band_41, PDZ; SS=M; 3.01
 417087; AJ001417; Hs.81086; solute carrier family 22 (extraneuronal monoamine transporter), member 3; sugar_tr; TM=Y; SS=M; 3.00
 403212; ; NM_019595; Homo sapiens interseclin 2 (ITSN2), mRNA. (CHRNA9), mRNA; SH3, ehfand, C2, PH, RhoGEF; TM=M; 3.00
 410141; R07775; Hs.287857; Homo sapiens cDNA: FLJ121291 fs, clone COL01963; F5_F8_type_C, pkinase, Ets; none; 3.00
 421059; A1654133; Hs.30212; thyroid receptor interacting protein 15; none, none; 3.00
 452335; AW188944; Hs.61272; ESTs; none, IRK; 2.99
 437644; AA748575; Hs.136748; lectin-like NK cell receptor; lectin_c; TM=Y; SS=M; 2.99
 435876; AW812588; Hs.180271; G protein-coupled receptor 48; 7tm_1, LRR, LRRNT; TM=Y; SS=M; 2.99
 428177; AA447527; Hs.207429; ESTs; 7tm_1, none; 2.99
 449289; BE468067; Hs.225680; ESTs; 3beta_HSD, pkinase; 2.99
 454701; AW854930; ; gb: PMO-CT0263-201099-003-f06 CT0263 Homo sapiens cDNA, mRNA sequence; SH2, STAT, STAT_bind, STAT_prot; none; 2.99
 408996; AW960597; Hs.129206; ESTs; pkinase, none; 2.98
 446860; AW60688; Hs.282853; ESTs; none, PP2C; 2.98
 436884; AA830105; Hs.194976; SH2 domain-containing phosphatase anchor protein 1; lg; TM=Y; SS=M; 2.98
 434164; AW207015; Hs.148135; serine/threonine kinase 33; pkinase; TM=M; 2.98
 403290; ; C10001011::gil4758212[ref]NP_004411.1| dual specificity phosphatase 8 [Homo sapiens] gil601; none; TM=M; 2.97
 433658; W56321; Hs.111460; calmodulin-dependent protein kinase (CaM kinase) II delta; pkinase, none; 2.97
 421990; T31811; Hs.110480; DC12 protein; GKAP, DUF159; TM=M; 2.97
 428315; AA888152; Hs.98505; ESTs; pkinase, none; 2.97
 411140; AW819463; ; gb: RCS-ST0293-061299-031-C07 ST0293 Homo sapiens cDNA, mRNA sequence; Choline_kinase, Cam_acyltransf, Sulfatase, Cam_acyltransf; 2.97
 453998; H47802; Hs.7557; FK506-binding protein 5; none, none; 2.97
 401342; ; Target Exon; none, none; 2.97
 453020; AL162039; Hs.31422; Homo sapiens mRNA; cDNA DKFZp434M229 (from clone DKFZp434M229); dNK; none; 2.96
 410976; R36207; Hs.26092; hypothetical protein MGC10744; none; TM=M; SS=M; 2.96
 431074; BE072772; Hs.153279; ESTs, Moderately similar to A46010 X-linked retinopathy protein [H.sapiens]; none, sarpin; 2.96
 443829; A1087954; Hs.23348; S-phase kinase-associated protein 2 (p45); F-box; none; 2.96
 400358; AF227137; ; taste receptor, type 2, member 13; none; TM=Y; SS=M; 2.95
 422559; AW247696; Hs.155839; hypothetical protein MGC12934; adh_zinc, PGK, Semialdehyde_dh; SS=M; 2.95
 423482; BE280172; Hs.129228; galactokinase 2; GHMP_kinases; TM=M; 2.95
 438330; AW450572; Hs.257316; ESTs; pkinase, zf-C4, ERM, CNH; none; 2.95
 414581; AA258213; Hs.72010; ESTs; none, Cam_acyltransf, Choline_kinase, SCO1-SenC, Glycos_transf_3, Glycos_trans_3N; 2.95
 453058; AW612293; Hs.288884; Homo sapiens cDNA FLJ11750 fs, clone HEMBA1005568; SH2, SH3, C2, PH, RasGAP; none; 2.95
 430558; AW967807; Hs.13797; ESTs; HECT, none; 2.94
 400471; ; Target Exon; none; TM=M; 2.94
 419459; AW291128; Hs.278422; DKFZP586G1122 protein; Metallophos, 7tm_1; 2.94
 407013; U35637; ; gb: Human nebulin mRNA, partial cds; SH3, Nebulin; 2.94
 421476; AW953805; Hs.21867; ESTs; Pw1, PAZ, Pw1; 2.94

- 426806; T19228; Hs.172572; hypothetical protein FLJ20093; ank.pkinase,UPF0073;SS=M; 2.94
 405588; ; NM_000299; Homo sapiens plakophilin 1 (ectodermal dysplasia/skin fragility syndrome) (PKP1), mRNA.; Armadillo_seg;TM=M; 2.94
 443614; AW65386; Hs.7645; fibrinogen, B beta polypeptide; none;none; 2.94
 416737; AF154335; Hs.79691; LIM domain protein; LIM,PDZ;TM=M; 2.93
 428522; R10184; Hs.191987; ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; none,ArfGap,PH,TNFR_p6; 2.93
 447818; W78940; Hs.21906; Homo sapiens clone 24670 mRNA sequence; none,pkinase; 2.93
 432925; AA878324; ; ESTs; none;none; 2.93
 443670; AW178935; Hs.238707; ESTs; RnaAD,DENN,dDENN,uDENN;TM=M; 2.93
 447555; AG91662; Hs.180963; Homo sapiens, clone MGC:12318, mRNA, complete cds; none;TM=M; 2.93
 435092; AL137310; Hs.4749; Homo sapiens mRNA; cDNA DKFZp761E13121 (from clone DKFZp761E13121); partial cds; none;TM=M; 2.93
 417670; R07785; ; gb:Yf15c06.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone 5' similar to contains Alu repetitive element;contains MSR1 repetitive element.; mRNA sequence; XYPPX,ABC_membrane,ABC_tran; 2.93
 424148; BE242274; Hs.1741; Integrin, beta 7; integrin_B,EGF,metalho,PSI;TM=Y;SS=M; 2.92
 439090; H65724; Hs.347168; gb:yr76a11.1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone 5', mRNA sequence; pkinase,none; 2.92
 408046; NM_007203; Hs.42322; A kinase (PRKA) anchor protein 2; Paralemnin;TM=M; 2.92
 428756; AU076734; Hs.193665; solute carrier family 28 (sodium-coupled nucleoside transporter), member 2; Nucleoside_tra2,BPD_transp_2;TM=Y; 2.92
 415272; AA164215; Hs.203186; ESTs; none,Exo_endo_phos,BNR,Atrophin-1,B56,pkinase,Ig,TPR; 2.92
 424775; AB014540; Hs.153026; SWAP-70 protein; ehand,PH,Neuregulin;TM=M; 2.92
 439589; AW602166; Hs.222399; CEGP1 protein; EGF,TNFR_c6,granulin,CUB,Keratin_B2,TIL;TM=M;SS=M; 2.92
 441680; AW444598; Hs.7940; RAP1, GTP-GDP dissociation stimulator 1; Armadillo_seg;TM=M; 2.91
 444784; D12485; Hs.11951; actonucleotide pyrophosphatase/phosphodiesterase 1; Somatomedin_B,Endonuclease,Phosphodiesterase;TM=Y;SS=M; 2.91
 400398; AF137396; Hs.283879; ubiquitin 3; 7tm_1,Abi;TM=Y;SS=M; 2.91
 435592; AB304490; Hs.1466; glycerol kinase; FGGY,FGGY_C;TM=M; 2.90
 400639; ; Target Exon; none;TM=M; 2.90
 403743; ; C1002604.gij839366[ref|NP_059989.1] kinase interacting with leukemia-associated gene (st; none;TM=M; 2.90
 418913; BE046745; Hs.31579; Homo sapiens clone 23783 mRNA sequence; Y_phosphatase,IMP4,none; 2.90
 428169; AB28984; Hs.182793; golgi phosphoprotein 2; photoRC,UPF0118;TM=Y; 2.90
 403812; ; C5000394.gij12737280[ref|XP_006682.2] keratin 18 [Homo sapiens]j6633; none;TM=M; 2.89
 431868; BE246400; Hs.285176; acetyl-Coenzyme A transporter; none;TM=Y; 2.89
 421558; AB011125; Hs.105749; KIA0553 protein; none;TM=M; 2.89
 444100; AA383343; Hs.22116; CDC14 (cell division cycle 14, S. cerevisiae) homolog B; Y_phosphatase,OSPc;TM=M; 2.89
 447437; U07225; Hs.339; purinergic receptor P2Y, G-protein coupled, 2; 7tm_1,SH2;TM=Y;SS=M; 2.89
 431512; BE270734; Hs.2795; lactate dehydrogenase A; kbJdh_C,SH3,pkinase,UBA;TM=M; 2.89
 446601; A312783; Hs.155772; Homo sapiens thymic stromal co-transporter mRNA, complete cds; sugar_tr;TM=Y; 2.89
 420747; BE294407; Hs.99910; phosphofructokinase, platelet; PFK;TM=M; 2.88
 449459; BE546840; Hs.195046; ESTs; ank,ras,PH,ArfGap,HCO3_cotransp; 2.88
 405099; ; Target Exon; C2,PI-PLC-Y,PI-PLC-X;TM=M; 2.88
 445890; AF055019; Hs.21906; Homo sapiens clone 24670 mRNA sequence; pkinase,pkinase; 2.88
 401445; ; NM_021161; Homo sapiens potassium channel, subfamily K, member 10 (KCNK10), mRNA.; ion_trans;TM=Y;SS=M; 2.87
 405480; ; Target Exon; none;none; 2.87
 400189; ; Eco Control; LRR,PPTA;TM=M; 2.87
 450125; AA005418; Hs.158186; ESTs; CIDE-N,7tm_1,none; 2.87
 432056; AB040973; Hs.272385; G protein-coupled receptor 72; 7tm_1;TM=Y;SS=M; 2.86
 423619; T46691; Hs.249159; adrenergic, alpha-2A-, receptor; 7tm_1,7tm_2;TM=Y;SS=M; 2.86
 417381; AF164142; Hs.82042; solute carrier family 23 (nucleobase transporters), member 1; xan_tr_permease,RA; 2.86
 420035; F26725; Hs.187908; ESTs, Weakly similar to A47582 B-cell growth factor precursor [H.sapiens]; HATPase_c,MOZ_BAS,zf-C2H2; 2.86
 425480; AB023198; Hs.158135; KIA00981 protein; PIP5K;SS=M; 2.86
 448700; AW206257; Hs.156326; Human DNA sequence from clone RP11-145L22 on chromosome 6p21.32-22.2. Contains the gene for myelin/oligodendrocyte glycoprotein MOG, (part of) the gene for a novel KRAB box containing C2H2 type zinc finger protein, ESTs, STSs, GSSs and a putative CpG; none;TM=M; 2.86
 444595; AL121094; Hs.83572; hypothetical protein MGC14433; Y_phosphatase,SH2,Y_phosphatase,SH2; 2.85
 411331; AW893718; ; gb:CNV1-LT0037-070300-100-d11 LT0037 Homo sapiens cDNA, mRNA sequences; SH2,none; 2.85
 410763; AF279145; Hs.8966; hypothetical protein FLJ20251; none;none; 2.85
 440617; AA894880; Hs.181181; ESTs; none;none; 2.85
 454071; A1041793; Hs.42502; ESTs; 7tm_1,none; 2.85
 411040; AF007393; Hs.177574; protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor); HLH;TM=M; 2.85
 402183; ; NM_004491; Homo sapiens glucocorticoid receptor DNA binding factor 1 (GRF1), mRNA.; none;SS=M; 2.85
 428753; AW939252; Hs.192927; hypothetical protein FLJ20251; none;TM=M; 2.84
 417070; Z19077; Hs.172004; tlin; in3,Ig,SGGXSG,pkinase;TM=M; 2.84
 458456; A1122709; Hs.153608; ESTs; bZIP,Armadillo_seg,mm,NTF2,none; 2.84
 421226; AL086748; Hs.102708; DKFZP434A043 protein; Armadillo_seg,Integrin_B,PSI,TIG;TM=M;SS=M; 2.84
 436733; BE327477; Hs.166941; ESTs; 7tm_3,oxidored_q5_N,Presenilin,PWt; 2.84
 427161; A1024595; Hs.97508; a disintegrin and metalloproteinase domain 8; Ig;TM=Y;SS=M; 2.84
 419462; AF071076; Hs.112255; nucleoporin 98kD; DEAD,helicase_C,Nucleoporin_FG,homobox;SS=M; 2.83
 413658; AA055369; Hs.75456; A kinase (PRKA) anchor protein 10; none;none; 2.83
 400749; ; NM_009105; Homo sapiens sortilin-related receptor, L(DLR class) A repeats-containing (SORL1), mRNA.; EGF,in3,jdl_recept_a,jdl_recept_b,granulin,BNR;TM=Y;SS=M; 2.83
 447388; AW636534; Hs.78277; Homo sapiens, clone MGC:9381, mRNA, complete cds; TB2_DP1_JVA22;TM=Y;SS=M; 2.83
 413243; AA789266; Hs.193657; ESTs; pkinase,zf-C4,ERM,CNH,none; 2.83
 423690; AA328648; Hs.23604; ESTs, Weakly similar to PN0099 son3 protein [H.sapiens]; ion_trans,IQ,none; 2.82
 447993; AW139525; Hs.170362; ESTs; none;none; 2.82
 423061; A1290473; Hs.44807; ESTs; Integrin_B,Sema,PSI,TIG,none; 2.82
 440619; AW408596; Hs.91052; ESTs, Moderately similar to ALU5_HUMAN ALU SUBFAMILY SC SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; abhydrolase_2,none; 2.82
 423497; U92642; Hs.129701; G protein-coupled receptor 45; 7tm_1;TM=Y;SS=M; 2.81
 446126; AW085909; Hs.10177; pleckstrin homology domain interacting protein; none;none; 2.81
 452488; N74921; Hs.184388; ESTs; none;TM=M; 2.80
 448515; A1653378; Hs.302012; ESTs; ion_trans;TM=Y;SS=M; 2.79
 443881; R64512; Hs.237146; hypothetical protein FLJ12752; none;none; 2.79
 445633; A1656508; Hs.281328; ESTs, Weakly similar to T00378 KIA0641 protein [H.sapiens]; pkinase,homobox;TM=Y;SS=M; 2.78
 424348; AB020523; Hs.266258; endonuclease G-like 1; Endonuclease;TM=M;SS=M; 2.78
 418844; M62982; Hs.1200; arachidonate 12-lipoxygenase; lipoxygenase,PLAT;TM=M; 2.78
 442233; AW957149; Hs.28439; ESTs, Weakly similar to L38022 hypothetical protein [H.sapiens]; MIF,sugar_tr,none; 2.78

- 450010; AW293801; Hs.255052; ESTs; ARID,7tm_1; 2.78
 452813; U54727; Hs.191445; ESTs; pkinase,Activin_recpt,none; 2.78
 418177; N44987; ; ESTs; pkinase,none; 2.78
 408014; AA723782; Hs.41749; protein kinase, cGMP-dependent, type II; cNMP_binding,pkinase,SS=M; 2.77
 448362; AA641767; Hs.21015; hypothetical protein DKFZp564L0864 similar to HIAT1; sugar_b; TM=Y;SS=M; 2.77
 423994; X01057; Hs.1724; Interleukin 2 receptor, alpha; sushi; TM=Y;SS=M; 2.77
 427342; AL110150; Hs.176680; Homo sapiens mRNA; cDNA DKFZp566D0724 (from clone DKFZp566D0724); none;NA;NA; 2.76
 447574; AF162666; Hs.18895; lousled-like kinase 1; pkinase; TM=M; 2.76
 442681; AI809182; Hs.130807; ESTs; transketolase,E1_dehydrog,transket_pyr,transketolase_C,pkinase; 2.75
 433637; AW024214; Hs.102307; ESTs; Na_sulph_symp,aa_permeases; TM=Y;SS=M; 2.75
 458997; AW937420; Hs.69662; ESTs; SH3,RhoGAP,FCH; TM=M; 2.75
 432284; AA532807; Hs.105822; ESTs; pkinase,none; 2.74
 406139; ; Target Exon; lg_Tub; TM=Y;SS=M; 2.74
 439518; W76326; ; gbzd60d04.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone 5' similar to contains Alu repetitive element; mRNA sequence; Armadillo_seg,none; 2.74
 426536; AI143139; Hs.2288; vishin-like 1; efrand;SS=M; 2.73
 400211; ; NM_003899; Homo sapiens PAK-interacting exchange factor beta (P85SPR), mRNA. VERSION NM_003897.1 GI; SH3,PH,RhoGEF,Terpene_synt; TM=M; 2.73
 402129; ; Target Exon; SH2,Peptidase_C9; TM=M; 2.73
 424238; AA337401; Hs.137635; ESTs; none; TM=M;SS=M; 2.73
 433834; AA620742; Hs.130786; ESTs; SPX,EXS; TM=Y; 2.73
 409339; AB020686; Hs.54037; ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative function); Sulfatase,Phosphodiester; TM=M;SS=M; 2.73
 408163; AW779842; Hs.258217; ESTs; 7tm_1,zf-B_box,zf-C3HC4,7tm_1,zf-B_box,zf-C3HC4; 2.73
 422358; AL133030; Hs.115429; Homo sapiens mRNA for KIAA1666 protein, partial cds; SH3; TM=M; 2.73
 426403; AA594207; ; gbmm29e01.s1 NCL CGAP_Gas1 Homo sapiens cDNA clone 3', mRNA sequence; pkinase,Fibrillarin,none; 2.72
 400645; ; Target Exon; lg_chan,SBP_bac_3,ANF_receptor,none; 2.72
 443661; AA336609; Hs.10862; Homo sapiens cDNA: FLJ23313 fis, clone HEP11919; adenylatekinase,none; 2.71
 442672; AI001922; Hs.136121; hypothetical protein FLJ22415; none,HSP70; 2.71
 409317; U20165; Hs.63260; bone morphogenetic protein receptor, type II (BMPR2); pkinase,Activin_recpt; TM=M;SS=M; 2.71
 403201; ; Target Exon; none; 2.71
 459357; AWB48421; ; gb:IL3-CT0214-150200-075-B11 CT0214 Homo sapiens cDNA, mRNA sequence; ABC_tran,ABC_membrane,ion_trans; 2.70
 439935; S75105; Hs.8358; glutamate receptor, ionotropic, kainate 2; ANF_receptor,lg_chan,none; 2.70
 414924; C06267; Hs.44247; ESTs; none,none; 2.69
 421008; BE259378; Hs.103147; hypothetical protein FLJ21347; DUF255; 2.69
 449951; AA004982; Hs.120904; ESTs; DED,Calsequestrin; 2.69
 411226; AW833022; ; gb:RC3-TT0005-191099-012-d04 TT0005 Homo sapiens cDNA, mRNA sequence; pkinase,none; 2.68
 417625; U59305; Hs.44708; Ser-Thr protein kinase related to the myotonic dystrophy protein kinase; pkinase,bZIP,G-gamma,K-box,pkinase_C;SS=M; 2.68
 408051; AI623351; Hs.172148; ESTs; PH,RhoGAP,none; 2.68
 412521; AW753481; Hs.294022; hypothetical protein FLJ14950; SH2; TM=M; 2.68
 413922; AI535895; Hs.221024; ESTs; ion_trans,RYDR,ITPR,MIR,UDPGT; 2.68
 432189; AI362952; Hs.2928; solute carrier family 7 (cationic amino acid transporter, y system), member 1; aa_permeases; TM=Y;SS=M; 2.67
 415516; F11411; ; gb:HSC2WF081 normalized infant brain cDNA Homo sapiens cDNA clone c-2w08, mRNA sequence; ion_trans,none; 2.67
 419749; X73508; Hs.93029; sparse/osteonection, cwcw and kazal-like domains proteoglycan (testis); kazal,thyroglobulin_1;SS=M; 2.66
 416095; AW014327; Hs.221951; ESTs; Weakly similar to I38022 hypothetical protein [H.sapiens]; lg,zf-C3HC4,Cbl_N,Cbl_N2,Cbl_N3,none; 2.66
 403609; ; C3001199:gi7494834[pi][T15308 hypothetical protein B0286.2 - Caenorhabditis elegans][41; 7tm_1,7tm_2,GPS,WIF; TM=Y;SS=M; 2.66
 458213; AL047521; Hs.12210; hypothetical protein FLJ13732 similar to tensin; pkinase,none; 2.66
 426158; NM_001982; Hs.199067; v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3; Furin-like,pkinase,Recep_L_domain,Furin-like,pkinase,Recep_L_domain,Peptidase_M24; 2.66
 435410; AL135067; Hs.117182; ESTs; none,pkinase,RBD,DAG_FE-bind; 2.66
 437838; AI307229; Hs.184304; ESTs; CARD,ICE_p20,ICE_p10,HIT,voltage_CLC,CBS,HCCA_Isomerase; 2.66
 430293; AI416808; Hs.238272; inositol 1,4,5-trisphosphate receptor, type 2; ion_trans,RYDR,ITPR,MIR,none; 2.65
 433090; AI720050; ; immortalization-upregulated protein; none;SS=M; 2.65
 432103; T15803; Hs.272458; protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform (calciunurin A alpha); Metallophos; TM=M; 2.65
 435652; H72303; Hs.36011; ESTs; pkinase,none; 2.64
 433277; AI674779; Hs.126744; ESTs; none,7tm_1; 2.64
 438459; T49300; Hs.35304; Homo sapiens cDNA FLJ13655 fis, clone PLACE1011503; none,FMO-like; 2.64
 432251; AW972993; Hs.232165; polycythemia rubra vera 1; cell surface receptor; none; TM=M;SS=M; 2.63
 446953; AI862668; Hs.176333; ESTs; OMPdecase,Phospholipase,pkinase,RhoGEF,PH; 2.63
 444821; AA063564; Hs.12040; STE20-like kinase; pkinase; TM=M; 2.63
 436206; AK001451; ; CD2-associated protein; none,none; 2.63
 434370; AF130988; Hs.58346; ectodysplaslin 1, anhidrotic receptor; death,Kunitz_BPT; TM=Y;SS=M; 2.63
 436039; AI658707; Hs.48713; ESTs; pkinase,none; 2.63
 449658; AA002008; Hs.188633; ESTs; PIP5K,none; 2.63
 429341; X73874; Hs.2393; phosphorylase kinase, alpha 1 (muscle); none; TM=M; 2.62
 445174; AV652850; Hs.172004; ltrn; fn3,lg,SGXSG,none; 2.62
 424950; AA602917; Hs.156974; ESTs; none,CDP-OH_P_transf; 2.62
 438141; AW946871; ; gb:RC2-ET0022-080500-012-d02 ET0022 Homo sapiens cDNA, mRNA sequence; SH2,STAT,STAT_bind,STAT_prot,none; 2.61
 434938; AW500718; Hs.81115; Homo sapiens, clone MGC:16169, mRNA, complete cds; pkinase,TBC,Rhodanese; TM=M; 2.61
 409264; NM_014937; Hs.52463; KIAA0966 protein; Syja_N; TM=M; 2.60
 458438; AI141520; Hs.151464; ESTs; Weakly similar to ALUC_HUMAN [III ALU CLASS C WARNING ENTRY III [H.sapiens]; pkinase,none; 2.60
 400719; ; NM_004055; Homo sapiens calpain 5 (CAPN5), mRNA. VERSION NM_004335.2 GI; C2,Peptidase_C2,Calpain_IL; TM=M; 2.60
 427318; AF185081; Hs.175783; zinc transporter, Zlp; TM=Y;SS=M; 2.59
 426069; T94907; Hs.188572; ESTs; PH,Ets,CH,spectrin,Ca_channel_B,none; 2.59
 430105; X70297; Hs.2540; cholinergic receptor, nicotinic, alpha polypeptide 7; Neur_chan_LBD,Neur_chan_memb,pkinase; TM=Y;SS=M; 2.58
 411495; AP000893; Hs.70359; KIAA0136 protein; HATPase_c,bZIP; TM=M; 2.58
 438167; R28363; Hs.24286; ESTs; none; TM=Y;SS=M; 2.58
 418749; N75147; Hs.22488; ESTs; none,zf-C2H2,KRAB,pkinase; 2.58
 454289; AL137554; Hs.45927; protein kinase NYD-SP15; dCMP_cyt_deam; TM=M; 2.58
 443605; H06865; Hs.134131; ESTs; efrand,ion_trans,none; 2.57
 429429; AA829725; Hs.334437; hypothetical protein MGC4248; none,transmembrane4; 2.57
 403088; ; NM_003319; Homo sapiens titin (TTN), mRNA. mRNA; fn3,lg,SGXSG; TM=M; 2.57
 409190; AU076536; Hs.50984; sarcoma amplified sequence; transmembrane4; TM=Y;SS=M; 2.57
 426696; AW363332; Hs.171844; Homo sapiens cDNA: FLJ22296 fis, clone HRC04468; lg; TM=Y;SS=M; 2.56
 403328; ; Target Exon; Glyco_hydro_35; TM=M; 2.56

- 426167; AF039023; Hs.167496; RAN binding protein 6; Armadillo_seg,HEAT_PBS; 2.56
 428695; AI355647; Hs.189999; purinergic receptor (family A group 5); 7tm_1; TM=Y; SS=M; 2.54
 419285; D31887; Hs.89868; KIAA0062 protein; Zip; TM=Y; SS=M; 2.54
 415740; N80486; Hs.39911; Homo sapiens mRNA for FLJ00089 protein, partial cds; CBM_21; TM=M; 2.53
 403305; NM_006825; ; transmembrane protein (63kD), endoplasmic reticulum/Golgi intermediate compartment; pkinase; TM=Y; SS=M; 2.53
 443804; AL135352; Hs.255883; ESTs, Weakly similar to I38022 hypothetical protein [H.sapiens]; Peptidase_M18,Peptidase_M18,Y_phosphatase; 2.53
 450425; H06607; Hs.6099; ESTs; E1-E2_ATPase,Cation_ATPase_C,Cation_ATPase_N,Hydrolase,none; 2.51
 401702; ; NM_001171; Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 6 (ABCC6), mRNA; ABC_tran,ABC_membrane; TM=Y; SS=M; 2.50
 439463; W69304; ; gb:zd46101.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone 5, mRNA sequence; fn3,Y_phosphatase,none; 2.50
 425975; AB011082; Hs.165559; organic cationic transporter-like 4; sugar_tr; TM=Y; 2.50
 443259; AW090601; Hs.69171; protein kinase C-like 2; pkinase,pkinase_C,HR1,none; 2.50
 400777; ; NM_007325; Homo sapiens glutamate receptor, ionotropic, AMPA 3 (GRIA3), transcript variant flp, mRNA; lig_chan,SBP_bac_3,ANF_receptor; TM=M; SS=Y; 2.49
 426044; AA502490; Hs.170290; ESTs; none,none; 2.48
 454564; AW807573; ; gb:MR1-ST0088-021299-004-g01 ST0088 Homo sapiens cDNA, mRNA sequence; pkinase,none; 2.48
 415938; BE383507; Hs.78921; A kinase (PKA) anchor protein 1; KH-domain,TUDOR; TM=M; SS=M; 2.47
 426481; AW059341; ; gb:EST376014 MAGE resequencas, MACH Homo sapiens cDNA, mRNA sequence; Y_phosphatase,Band_41,DSPc,none; 2.46
 426005; AA377499; ; gb:EST90341 Synovial sarcoma Homo sapiens cDNA 8' end, mRNA sequence; tubulin,FKBP,COX6B,7tm_1,tubulin_C; SS=M; 2.46
 424879; AA348013; Hs.273385; ESTs; arf,G-alpha,none; 2.46
 416166; X84908; Hs.78060; phosphorylase kinase, beta; none; TM=M; 2.46
 416608; R39769; ; ESTs, Moderately similar to ALU8_HUMAN ALU SUBFAMILY SX SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; SH3,POZ,Guanylate_kin,ZU5,none; 2.46
 408087; AW150945; ; gb:cg54407.x1 NCL_CGAP_U14 Homo sapiens cDNA clone 3', mRNA sequence; XYPPX,ABC_membrane,ABC_tran; 2.46
 434344; AA588429; ; gb:nc022b03.s1 NCL_CGAP_Py22 Homo sapiens cDNA clone 3', mRNA sequence; pkinase,DNA_mis_repair,HATPase_c; 2.45
 446768; AV680305; Hs.110285; ESTs; ICE_p20,DEDJCE_p10,ICE_p20,DED; 2.45
 437158; AW090198; ; KIAA1150 protein; none; NA; NA; 2.45
 430177; AW959233; Hs.302746; MSTP028 protein; K_tetra,none; 2.45
 422270; AF114494; Hs.114062; protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a; none; TM=Y; 2.45
 430690; AW138724; Hs.168974; ESTs, Highly similar to ALU7_HUMAN ALU SUBFAMILY SQ SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; Y_phosphatase,Adaplin_N,Y_phosphatase; 2.44
 446569; AW248031; Hs.155839; hypothetical protein MGC12834; adh_zinc,PGK,Semialdehyde_dh; SS=M; 2.44
 411902; AW875344; ; gb:RC1-PT0009-220300-013-f06 PT0009 Homo sapiens cDNA, mRNA sequence; none,pkinase,ank; 2.43
 430057; AW450303; Hs.2534; bone morphogenetic protein receptor, type 1A (BMPRI1A) [ALX-3]; Activin_rec,pkinase; TM=Y; SS=M; 2.43
 446338; AJ289121; Hs.205978; ESTs; none,SH3; 2.42
 426221; AB007881; Hs.110613; KIAA0421 protein; none,Ribosomal_S8; 2.42
 446796; AI652497; Hs.110103; RNA polymerase I transcription factor RRN3; none,none; 2.41
 428350; H10291; Hs.30974; ESTs; pkinase,PBD,none; 2.40
 428379; X08026; Hs.2259; CD3G antigen, gamma polypeptide (TIT3 complex); ITAM; TM=Y; SS=M; 2.40
 432488; AA551010; Hs.216640; ESTs; Na_sulph_symp,none; 2.40
 407235; D20569; Hs.169407; SAC2 (suppressor of actin mutations 2, yeast, homolog)-like; none,Ribosomal_S13,Galactosyl_T,Zip,adh_short,zf-C3HC4; 2.40
 448595; AB014544; Hs.21572; KIAA0644 gene product; LRR,LRRCT; TM=Y; SS=M; 2.40
 428283; AI430906; Hs.323079; Homo sapiens mRNA; cDNA DKFZp564P116 (from clone DKFZp564P116); Y_phosphatase,fn3,lg,none; 2.39
 432460; H12912; Hs.274691; adenylylase kinase 3; adenylylase,none; 2.38
 429549; AI333013; Hs.250505; retinoic acid receptor, alpha; none,zf-C3HC4,BRCT,lig_chan; 2.38
 429303; AW137635; Hs.44238; ESTs, Weakly similar to S85657 alpha-1C-adrenergic receptor splice form 2 [H.sapiens]; Phosphodiester,Somatostatin_B,Endonuclease,none; 2.36
 417473; M55256; Hs.82201; casein kinase 2, alpha prime polypeptide; pkinase,ABC1; TM=M; 2.35
 463186; AK001708; Hs.32271; hypothetical protein FLJ10846; TK,DUF300; TM=Y; SS=M; 2.33
 447276; AL049795; Hs.17987; hypothetical protein MGC1203; none; TM=M; 2.33
 445310; AI242490; Hs.153290; Homo sapiens cDNA FLJ14318 fs, clone PLACE3000402; none,pkinase; 2.31
 432942; AF083955; Hs.279852; G protein-coupled receptor; 7tm_1,globin; TM=Y; SS=M; 2.30
 434693; AW976001; Hs.337603; ESTs; none,none; 2.26
 452034; F12234; Hs.75893; ankyrin 3, node of Ranvier (ankyrin G); ZU5,death,none; 2.25
 423732; AF058056; Hs.132183; solute carrier family 16 (monocarboxylic acid transporters), member 7; sugar_tr; TM=Y; SS=M; 2.25
 404956; ; C1003210:gi6812582ref|NP_036524.1| peflin [Homo sapiens] gi6009487|dbj|BAAB4922.1| (AB; none,P13_P14_kinase,P13K_C2,P13K_rbd,PX,P13Ka,C2; 2.24
 452183; NM_005594; Hs.28299; adaptor-related protein complex 4, beta 1 subunit; Adaplin_N,Y_phosphatase; 2.23
 420529; D26259; Hs.319844; ESTs, Moderately similar to I54374 gene NF2 protein [H.sapiens]; pkinase,DAG_PE-bind,RBD_ras,DC1,GFP; TM=M; 2.21
 408808; BE074219; Hs.17230; hypothetical protein FLJ22087; Armadillo_seg; TM=M; SS=M; 2.21
 451932; AA350954; Hs.27268; Homo sapiens cDNA: FLJ21933 fs, clone HEP04337; SH3,PH,RhoGEF; TM=M; 2.21
 432008; AW296791; Hs.193170; hypothetical protein FLJ21687; LIM,Synaptophysin,Ion_trans,KOW; 2.20
 455840; BE145897; ; gb:MR0-HT0208-221299-204-b07 HT0208 Homo sapiens cDNA, mRNA sequence; P13_P14_kinase,P13Ka,P13_P14_kinase,P13Ka; 2.19
 429238; NM_002849; Hs.198288; protein tyrosine phosphatase, receptor type, F; Y_phosphatase; TM=Y; SS=M; 2.19
 430975; AA490055; ; gb:ca05b09.s1 Stratagene fetal retina 937202 Homo sapiens cDNA clone 3', mRNA sequence; adenylylase kinase,Thymidylate_kin; TM=M; 2.17
 407174; T79938; Hs.77062; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5; lg,none; 2.16
 450921; AA093790; Hs.148245; ESTs, Moderately similar to T17242 hypothetical protein DKFZp586B1417.1 [H.sapiens]; none; NA; NA; 2.15
 427208; H05509; Hs.32423; KIAA1656 protein; pkinase; TM=M; 2.14
 401917; AL050149; ; RAN binding protein 3; Orexin,SH2,STAT,STAT_bind,STAT_prot,Ion_trans,PAC,PAS,none; 2.12
 426359; AA376409; Hs.10862; Homo sapiens cDNA: FLJ23313 fs, clone HEP11919; adenylylase kinase,none; 2.07
 439520; W76548; Hs.336821; ESTs, Moderately similar to ALU5_HUMAN ALU SUBFAMILY SC SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens]; Ion_trans,none; 2.06
 410439; R35943; Hs.63755; transferrin receptor 2; PA; TM=Y; 2.05
 448696; AI564789; Hs.173070; EST, Weakly similar to ZN42_HUMAN ZINC FINGER PROTEIN 42 (MYELOID ZINC FINGER 1) (MZF-1) [H.sapiens]; none,zf-C2H2; 2.04
 449543; AF070632; Hs.23729; Homo sapiens clone 24405 mRNA sequence; K_tetra,Ion_trans,none; 2.04
 453496; AA442103; Hs.33084; solute carrier family 2 (facilitated glucose/fructose transporter), member 5; sugar_tr; TM=Y; SS=M; 2.02
 443952; AI149108; Hs.143530; ESTs; pkinase,none; 2.02
 437589; AA761322; Hs.269682; ESTs; SH2,SH3,C2,PH,RasGAP,none; 2.02
 422637; AA399024; Hs.118839; myoglobin; globin; TM=M; 2.01
 450253; AL133047; Hs.24715; Homo sapiens mRNA; cDNA DKFZp434D0215 (from clone DKFZp434D0215); partial cds; SH3; TM=M; 1.97
 401984; ; C1700145:gi2143629|pir|A57156 Ca2+-calmodulin-dependent protein kinase (EC 2.7.1.123) k; pkinase; 1.96
 453464; AI884911; Hs.32989; receptor (calcitonin) activity modifying protein 1; none; TM=Y; 1.95
 417733; AL048678; Hs.82503; H.sapiens mRNA for 3'UTR of unknown protein; none; NA; NA; 1.94
 411450; H49819; Hs.127301; ESTs; pkinase,none; 1.82
 406303; ; C16000922:gi7469103|pir|T20903 hypothetical protein F14F4.3b - Caenorhabditis elegans gi; ABC_tran,GTP_EFTU,PRK,ABC_membrane; TM=Y; 1.80
 425009; X58268; Hs.154151; protein tyrosine phosphatase, receptor type, M; fn3,lg,Y_phosphatase,MAM; TM=Y; SS=M; 1.74

425280; U31519; Hs.1872; phosphoenolpyruvate carboxykinase 1 (soluble); PEPC; TM=M; 1.65
 425958; AW163271; Hs.301839; Intracellular antigen detected by monoclonal antibody Ki-1; Intracellular hyaluronan-binding protein; Y_phosphatase, DSPc; TM=M; 1.63
 432563; NM_013261; Hs.198468; peroxisome proliferative activated receptor, gamma, coactivator 1; nm; TM=M; 1.51

TABLE 49B

Pkey: Unique Eos probeset Identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Pkey	CAT Number	Accession
438091	22448_1	AK054860 AV652198 AV652192 AV652138 AV652127 AV652194 BE935919 AV652017 AV851995 AV651548 AV646063 AV651985 AV646184 AV646179 AW880409 AA345002 BF155189 BE068931 X56197 AL603014 AW953629 BM263546 BE550772 AA701084 AB1681352 AA358689 AW936841 BF438147 W06391 H75313 BF326185 AV646335 AV651589 AV646340 AV651592 AV646384 AV646364 AV687497 BF155183 AV646370 AW797878 A906821 X56186 BE833935 AA628440 BE833809 BF224205 AA709126 BE673807 A923886 AA947932 A276125 A185720 AW510598 AA987230 BE467708 AW898528 AW898544 A1146984 AW043642 A1288245 A1186932 A1635262 A1139455 A1208739 A1813854 A1024768 BE699445 BE699444 A1707807 D52654 A1214518 A1004723 A1698085 AW087420 A1565133 AA845571 AW898622 BF110144 AW513280 A1061126 BF362770 A1268939 A136818 BF475318 A1024767 BE174213 AA757598 AA513019 AA902959 A1860794 A1334784 BF108411 BM310532 AW513771 A1951391 A1337671 BF095608 BF095601 BF095489 AW890091 BF095753 AW243400 AW898607 AW898616 BF362782 A1922204 AW898625 BE699468 BE174196 AW102923 D52716 BE899466 D52477 D55017 BF955933 BG623563 AV646254 AA63522 B1003244 A1299190 W40186 BE174210 BF939091 BF434180 AW579001 T55662 H01811 T52522 BF945037 BF955938 D54679 D53933 R67100 BG925552 BF999056 R63430 Z28922 T85791 W03942 H63289 A1091537 BF086583 AA345570 H48870 H80720 T83523 B1039626 B1037700 R00353 BF155184 N98343 N79072 H01812 T55581
411089	5597_6	B1009308 B1009893 BF922023 BF922909 BF922913 BF822096 BF957733 BE701791 AA456454 AA579876 BF933710 AA091294 B1007291 AW905577 AW975593 AA713730 AW8636781 AA666384 AA651106 BF584806 A1082382 A1955808 A1679895 A1679386 BF435555 AA586369 AA551351 AA595822 AA565186 BF808855 AA584921 N86077 AA601031 AA633188 AA514764 AA454562 AA551297 AA938109 B1009389 AW897806 BE815442 BF739374 B1009310 BF925422 BF933709 BF922034 BF925465 B1009680
439285	22495_1	AF086101 AL133916 AW95584 AW950828 A1348341 A1867454 BM263376 BF432231 A1421279 A1655270 AW014882 BF439949 AA775552 N62351 AA626243 N59253 A1341407 AA455968 AA457077 A1358918 AA364013 N79113 N54784 BE175639 N76721 AV727392 Z45529 Z44343 F05908 F05403 F05398
438089	22448_4	BM478665 BE844917 AW770789 AW952971 N84863 BM263259 A1224546 A1184866 N69114 AW518902 A1440169 AA808472 AV654440 AA281642 AU185230 AW337382 A1672923 A1537113 N73882 T83378 H63731 BF671764 AW897824 A1811204 AA344646 BE009112 BG999664 H91240 R60548 N41701
432407	MH1429_12	BG036675 BF772005 BF771866 BG960386 BG960381 NM_005712 AF110315 BE074534 BE182776 BE158000 BE157999 BE174315 AW818104 AW847519 AA089426 AW817981 AW856396 BG961122 AA224498 AA309542 AW821833 BF902155 A1732411 BG778834 BG283641 BE748279 BE748870 BG319540 BE748864 BF739224 BG961155 AK057283 B1861466 AA663341 AA457591 BG949294 AW992886 AAD71122 AA227849 AA584918 BG959570 BF773486 AL041688 BF959013 R87170 C16859 BF770411 BF771298 A1075321 L13823 AA216700 BF771864 AW861859 BE537068 C18935 AA165719 BF771172 BF769107 BF804964 AW818172 AW818143 AW392930 AW817057 AW858044 BF746211 AA179928 AW861687 AW821826 B1065726 BF242643 AA207189 BF770412 BF771157 BG430030 AA055592
414883	8371_2	AF274943 BG494894 A178075 AA908763 A1935150 A1228691 AA910644 AA583187 BM272167 A1828996 AA527373 AW972459 A1831360 AA772418 A1033892 AA100926 AU154749 A1458432 A123513 A1094597 AA740817 A1891988 A1890262 A1312104 B1256707 AA459522 AA416871 AK075239 A1339896 AA701623 A1139549 A1368880 AA633648 A1989380 A1362835 AA399239 A146955 BF514270 N92892 A1348243 A1278887 AA459292 A1494230 BF507531 A1492800 AA962596 AW613002 A293140 AA235549 BF108854 AA954344 A9682 A457100 AW589407 AW300758 BE220715 BE220698 BE589091 BM009647 BF900351 A1537692 A1203723 A1857576 AA584410 AW371667 BM172363
451320	12225_2	AK057826 A1631882 AA224195 A1701458 AA890570 AW966582 AW071907 A1671352 A1375892 T03517 A124088 R88285 A1084316 BF223720 A1354686 T33652 AW205836 BE931115 A1720211 T03490 BF084055 A1372637 T15415 BG054890 AA630384 F26326 A140719 AA443303 T33230 T33623 T33511 T33785 AW118072 W20108 A1657180 T15734 A119606 N80552 AA224388 T15699 T03515 D55612 W27899
400205	2538_1	NM_006265 D38551 X98294 BM477931 BM461568 AU123557 AU133303 AU134649 AW500421 BM172439 AW500587 AW503665 AW504355 AW503640 BM152454 AW505260 A1816884 AW504075 AW500716 AL597310 BC001229 BM474371 AA864202 AU135205 BE090841 AW163750 BF747730 BF898637 A1206506 AV660870 AV692110 AW386830 AV656831 N84710 AW993470 BF086802 BF758454 BG960772 BF757768 B1670853 BE018627 C75436 AW148744 BF757763 BG622057 BE909924 AA708208 BG530266 BF968015 AW992930 BF888862 BG536826 AA143164 AW748953 BG498922 BF865190 BF889005 BF764781 BF800003 BM476529 A1627668 AW028126 AL148011 BF590668 A1017447 AA579936 A1367597 AA599622 BE280597 A1124620 A1082548 AW274985 AA877870 A1058767 BE551689 AA287642 H94499 A1752427 A1662365 AW002374 AW062651 AA360834 N68820 AU135442 AU125960 Z78334 BE545813 A1092115 BF312771 BF242859 BG533616 BG533781
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A1653653 A1828924 A14746655 A1951984 A1635625 A1093113 A1377976 A1624029 A1418242 R76291 W92652 A1207798 AV705224 AA742467 AA641808 W81229 AA130170 AA160170 H85007 W72474 W81163 H97873 AL047509 R76567 AA812071 H81599 AA021275 H85004 H85894 BG537537 BF830518 W76228 W46673 Z43839 R78710 C01747 H00789 B1036345 W92828 BE150445 AW380821 AW173095 H85630 H81598 H88032 R84855 R13223 AA774992 AW973785 H60163 AA557608 A1057052 A1241633 T89416 AA379611 AA379464 AA379463 BG025680 AW890852 BE002723 BE763824
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5	400275	18707_1	NM_006513 BC009390 X91257 BC000718 BM450041 BI771139 AV710955 AU120415 AU141179 AU121081 BE409287 AU141397 AU122238 BI265788 BE386217 AU143368 AU133780 AU139704 BG531086 BE268235 BE545230 AU143414 AV761720 AU129842 AU143343 BE270064 BG473378 BE298813 BI772360 BE617354 AU140124 BE277005 BG746716 BE814960 AW161287 AV762084 BG989895 AW574875 AA313975 AV749916 AA374328 BM011248 AU098465 AW238888 BG940091 BG284599 AW410037 AA378483 D49914 AL573323 AL549819 AL572282 AL572871 AL568117 AL571945 AL547790 AL581217 AL514659 AL573926 AL540816 AW410038 BI262249 BG284713 AI659394 AI093582 AW965846 AA652206 AI686014 AA654357 AU146982 AW273447 AW157715 AW574750 BG683509 AW887824 AI818522 AA703770 BE542873 AA515504 AU154982 AA831254 AA828521 AI088602 AA854654 AA190869 BF062816 AA464944 BG261335 AI003584 BG402820 AA932098 W68695 AW182900 W37334 AI073664 C17924 C18528 AI299318 BF154399 BG319570 BF764242 BF764208 AI620320 T06029 BF447193 F29285 AL549949 BI333776 BE743602 BE618230 BE268139 BF036434 BE562718 BG774381 AA659833 AA297649 AA010945 BG105512 BE269205 T32623 BG015679 AL518518 AL517118 AL538396 AI049861 AL581976 AV752041 W26586 BE181609 AI963016 BG057603 AI720256 AA844560 AA055570 BE619606 C17428 AI042174 N93945 N69743 BF795208 AW057940 BI091399 AW975179 AA909936 H28712 W65445 AL515439 W37117 H66514 T85737 W37369 W19712 BE247277 L13288 AA928785 AI608912 AW872978 AA565655 AI022915 AI304920 AI564366 AI668793 AI094557 T60038 R72302 H45409 AA508805 R46356 AA418798 BM129553 BM129126 BM129292 BM128865 AI808418 AI689832 AI806573 BF431808 AW872985 AW166269 H73241 T16182 AI264547 R73391 R72085 R72840 T83761 X75299 BF754348 R94105 AW449839 R73300 NM_004624 AI797007 BE045543 BF110021 BF754260 T83923 AW984084 AA903896 AA418962 L20295 R72351 H45098 AA961010 R73210 R46451 AW894085 BI022902 BI763932 BI910138 AW936035 AW935961 AW935789 AW935881 AW938018 AW935892 BE069084 BI030997 AA921874 AW188622 BI027862 AI347618 AI361453 AI088754 AW207491 AA077391 BG012775 BG997382 AA286833 AA150722 BI007625 BI027864 BI009100 BI006275 BI008270 BI031000 BI029854 BI006277 BI007627 BI006266 BI006891 BI006890 BI007763 BI007762 BG997377 AA150780 BI033518 BI027818 BG015789 BI033807 AA341445 BE078405 BE078404 BE168534 AV742719 R23027 R63874 AA381749 BG542693 D63271 T94955 AA774994 BF697679 BG984482 AW854930 AW854941 AW814115 AW814431 AW814190 BF325887 BF325890 BF985636 AW819463 AW819514 AW819817 AW819618 AW819609 U35637 AA182323 AA194608 BG011563 F25712 AL598920 BE185376 AA878324 AI619686 AI014377 T85948 R07785 T86972 Y08200 NM_004581 BC003093 BE733834 BI753321 BG773890 BF091806 BI917541 AI023762 AA587230 BF435086 AI264262 AI687392 AI810536 AW589886 AI244419 AA749261 AA535435 AW205689 AI765770 AI765431 C02465 AW305347 AI818456 AA322111 AW381845 AW381829 AV749407 AA811636 AU169893 AA803065 AA652542 AI468678 R49516 AW381863 BE389867 BE182387 BF087771 AA527551 AA134051 AA831504 AA134052 AI871759 AW089046 BI913532 AA367709 BG928155 BF083014 AW837178 T77002 F13038 AK056854 AJ420421 AI127111 AA705921 AA749298 AA776967 AI343768 AW070583 AA766587 AA804876 AA460658 AA394137 W72279 AW071467 AI343843 AA393817 AW769379 AA861873 AA715043 AW512448 AI452868 AI819873 T17354 AW778778 BF477620 AI783605 AI624523 AA261906 AA514931 BI964124 AW576481 AI864544 AA490863 AA860972 BI963076 AI632879 AA291985 AA255873 BI966876 BI963833 Z38970 BI495302 BI495301 AI784395 AU185472 AA852150 AA652026 D20449 BI088167 BI260636 BE869946 AI935271 BI792882 AI762915 AI808275 AI813351 BF447139 AI052069 AI057127 AA388950 AA291984 AA292934 AA262543 BF760287 R64455 R72980 H90785 BE688016 AW959314 BI031449 AL574617 AA776284 AA393770 BM455617 BI002104 BI793150 N36710 H59529 BI005937 BF000748 BF085914 BF085907 BF835429 BF835210 BF085926 AA226136 BF836829 BF836606 BM007373 AI369807 BF085930 W25119 BI252884 BI001270 BE549079 BF238403 R56934 AF086341 W76326 W72300 NM_003899 D63476 BM456434 AA776936 AA452871 AI052466 AW014138 AA448725 BE673088 AW028188 BI856378 BM150466 BM150874 BM148451 AW900880 AA180228 BE243507 BM144903 AA333656 AW503767 AA305470 AW504819 AA978194 AW500778 BE872488 AI032663 AA704888 AA652189 AA179463 AL535925 BE275744 BE277708 BE275715 AW504259 AA354483 BE244197 BE248232 D17055 AW013876 AW014877 T09464 T08407 AA830248 AW897881 BE501192 BE501195 AL044534 AA256863 BI037915 AA448037 BM461769 BI825965 BE763352 AW176531 Z45688 AV721881 AA527273 AI573219 AA457036 AW439651 AW264418 AA577618 AI802954 AA902292 AA468752 AI380374 AA722690 AI867708 AA916882 AI291576 AW190427 AI338089 AI653744 AI306865 AW513541 AW440077 AI370014 AA904269 AW198378 AI671644 AW193386 AI261832 AA775398 BF436811 AI582703 AI278635 BE440186 AA617898 AA648948 BI491837 BF590311 AA448633 F27048 F37022 AW770819 AA258808 AI369564 AW503676 AA777194 BE501048 BF222087 AA042973 AI868087 AA911460 Z41274 AI919082 T16748 AA447634 AI282427 F22456 T15901 AA825298 AW007436 BE834303 BG081939 AW373814 BI821638 AW958921 BM150600 BM153173 BM147451 BF953992 AA916696 AW444935 M78398 AW581147 AW608258 AA651910 AA132152 AW808295 T30328 D20054 AA310837 T06543 BM194508 BM193225 BM469348 AW964920 AA325930 BI833627 AW952193 AA738189 AA321051 BG987199 BF953967 T08890 BE869543 BG742857 BG988685 AA456880 BG001842 BF809452 AW892083 BF944342 T49551 W69981 BF764519 T15869 AA132030
15	414087 423387	1632850_1 2612_2	
20	412283 409745	1163164_1 MH1944_5	
25	413285 426578 438005 454701 411140 407013 432825 417670 400189	12794_9 358276_1 694209_2 352355_1 1071177_1 2073_7 225876_1 2139687_1 2140_1	
30	411331 418177	1076355_1 6503_2	
35	439518 400211	23842_1 3532_1	
40	428409 459357 411226 415516 433090 436206	320121_1 1086411_1 1073516_1 1875286_1 7504_2 31207_1	
45	436141 439463 464584 426481 426005	1173217_1 23361_1 1051820_1 1229053_1 MH790_19	
50	416508 408087 433434 437158	1974161_1 633686_1 194662_1 59575_1	
55	411902 455840 430975	1141058_1 1518844_1 56583_2	
60	416508 408087 433434 437158	1974161_1 633686_1 194662_1 59575_1	
65	411902 455840 430975	1141058_1 1518844_1 56583_2	
70	411902 455840 430975	1141058_1 1518844_1 56583_2	
75	411902 455840 430975	1141058_1 1518844_1 56583_2	
80	411902 455840 430975	1141058_1 1518844_1 56583_2	

TABLE 49C

5	Pkey:	Unique number corresponding to an Eos probe set		
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham I. et al." refers to the publication entitled "The DNA sequence of human chromosome 22." Dunham I. et al., Nature (1999) 402:489-495.		
	Strand:	Indicates DNA strand from which exons were predicted.		
	NL_position:	Indicates nucleotide positions of predicted exons.		
	Pkey	Ref	Strand	NL_position
10	402260	3399665	Minus	113765-113910,115653-115765,116808-11694
	401027	7230983	Minus	70407-70554,71060-71160
	400991	8096825	Plus	159197-159320
	406137	9166422	Minus	30487-31058
	404083	9944029	Minus	16650-17082
15	404440	7528051	Plus	80430-81581
	400792	7382433	Plus	134338-134593
	404289	2769644	Plus	15049-15286,30267-30457
	401083	3242744	Plus	33192-33360
	402211	7689783	Minus	67414-68229
20	402705	8782736	Plus	89961-90114,90773-90895,91131-91261
	402233	7690102	Plus	90281-91477
	405370	2078469	Minus	38980-39111
	400846	9188605	Plus	39310-39474
	405484	5922026	Plus	199214-199579,199672-199920,200282-20049
25	401345	9926424	Plus	148042-148392
	400843	9188605	Plus	5863-5970,7653-7784,8892-9023,9673-9807,
	406364	9256114	Minus	50715-50833
	405490	7705240	Plus	20683-20850
	400765	8119083	Minus	120084-120889
30	404276	9885189	Plus	127624-127856
	402916	7406502	Minus	140-276
	405816	5649378	Minus	2782-3308
	400847	9188605	Plus	44643-44835
	402328	4484283	Minus	13758-13922,14558-14752
35	405369	2078469	Minus	34183-34357,35688-35751
	400845	9188605	Plus	34428-34612
	403716	7239669	Plus	86899-87122
	402447	9798640	Plus	47605-47729,51696-51821,52070-52257,5330
	404140	9843520	Plus	37761-38147
40	405516	9454624	Plus	112707-112876,113676-113854
	405110	8096888	Minus	118940-119100
	403608	8306268	Minus	121321-121478
	401241	4827300	Minus	30503-30844,31056-31248
	405102	8076881	Minus	120922-121296
45	404186	4572564	Minus	129171-129327
	405545	1054740	Plus	118677-118807,119091-119296,121626-12182
	405411	3451366	Minus	17603-17778,18021-18290
	405602	4753260	Plus	44847-44778
	403391	9438337	Plus	42410-42544,83317-83540,86840-86922,8797
50	403869	7280046	Minus	34379-34583
	404942	7382153	Plus	92095-92252
	403142	9444521	Plus	89286-90131
	400844	9188605	Plus	24746-24872,25035-25204
	402704	8782736	Plus	37368-37493
55	402833	8918545	Plus	26987-27778
	401851	7770425	Minus	146443-146684,147794-147971,148351-14848
	401242	4827300	Minus	32618-32863
	401943	4914397	Plus	65825-66371
	402807	6456148	Minus	101542-101680,103476-103656
60	402603	9909396	Minus	141883-141852
	405328	3253114	Plus	21399-21583
	402974	9683349	Plus	124035-124321
	400987	8086488	Minus	22052-22185
	403335	8568884	Plus	112307-112524,114074-114703
65	401113	9986541	Minus	19419-19569
	401185	9825304	Minus	177383-177691
	404537	8247909	Minus	188776-189573
	405266	4156171	Minus	63337-63552
	402615	9926801	Plus	131390-132157
70	400568	9684730	Plus	64466-64714
	403212	7630897	Minus	156037-158210
	403290	8063176	Plus	19288-20076
	401342	9908882	Plus	3096-3242
	400471	9931670	Minus	105629-105760
75	405588	5002511	Plus	46180-46356
	400639	7574902	Plus	8559-8721
	403743	7662003	Minus	136463-136846
	403912	7710730	Minus	72000-72280,72431-72700,72929-73199
	405099	8074282	Minus	114365-114514,128635-128831
80	401445	8218584	Minus	93700-93886
	405480	2768593	Plus	33325-33659
	402183	7658390	Minus	100618-104296
	400749	7331445	Minus	9162-9293
	406139	9166768	Minus	72397-72602

5	402129	7704953	Minus	168156-166365
	400645	8117693	Minus	58471-58716
	403201	9968297	Minus	109782-109934
	403609	8308266	Minus	125974-126320
	400719	8118911	Minus	44579-44656, 45294-45487, 46449-46641
10	403088	8954241	Plus	169894-170193, 170504-170806
	403328	8469086	Minus	120428-120703
	403305	8089945	Plus	114632-114805
	401702	1871197	Minus	68182-68325
	400777	8131663	Plus	70745-71121
15	404956	7387343	Plus	55883-56203
	401917	9502466	Plus	25054-25229
	401984	4454511	Plus	103825-104024
	406303	8575868	Plus	173622-173766

20 Table 50A lists about 414 genes up-regulated in non-seminomatous mixed germ cell testicular cancer compared to normal adult tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" non-seminomatous mixed germ cell testicular cancer to "average" normal adult tissues was greater than or equal to 2. The "average" non-seminomatous mixed germ cell testicular cancer level was set to the 85th percentile amongst non-seminomatous mixed germ cell testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst the non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

25 Table 51A lists about 518 genes up-regulated in seminomatous testicular cancer compared to normal adult tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" seminomatous testicular cancer to "average" normal adult tissues was greater than or equal to 2. The "average" seminomatous testicular cancer level was set to the 85th percentile amongst seminomatous testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

30 Table 52A lists about 673 genes up-regulated in testicular cancer (non-seminomatous and seminomatous) compared to normal adult testicular tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" testicular cancer to "average" normal testicular adult tissues was greater than or equal to 2. The "average" testicular cancer level was set to the 76th percentile amongst testicular cancers. The "average" normal adult testicular tissue level was set to the 95th percentile amongst non-malignant testicular tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

35 Table 53A lists about 735 genes up-regulated in testicular cancer (non-seminomatous and seminomatous) compared to normal adult tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" testicular cancer to "average" normal adult tissues was greater than or equal to 3. The "average" testicular cancer level was set to the 95th percentile amongst testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

40 Table 54A lists about 476 test-specific genes downregulated in testicular cancer (non-seminomatous and seminomatous). These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio (R1) of normal testis to normal adult tissues was greater than or equal to 3. R1 was calculated as the mean number of interquartile range values over the median normal adult body tissue expression among normal testicular samples. The ratio (R2) of "average" normal testis to "average" testicular cancer among these genes was greater than or equal to 2. The "average" normal testis level was set to the 50th percentile amongst normal testis. The "average" normal testicular cancer level was set to the 95th percentile amongst testicular cancer samples. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal body tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

50 Table 55A lists about 588 genes up-regulated in non-seminomatous mixed germ cell testicular cancer compared to normal adult testicular tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" non-seminomatous mixed germ cell testicular cancer to "average" normal adult testicular tissues was greater than or equal to 4. The "average" non-seminomatous mixed germ cell testicular cancer level was set to the 95th percentile amongst non-seminomatous mixed germ cell testicular cancers. The "average" normal adult testicular tissue level was set to the 95th percentile amongst non-malignant testicular tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal testicular tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

55 Table 56A lists about 812 genes up-regulated in seminomatous testicular cancer compared to normal adult testicular tissues. These were selected from 59680 probesets on the Affymetrix/Eos Hu03 GeneChip array such that the ratio of "average" seminomatous testicular cancer to "average" normal adult testicular tissues was greater than or equal to 4. The "average" seminomatous testicular cancer level was set to the 60th percentile amongst seminomatous testicular cancers. The "average" normal adult tissue level was set to the 95th percentile amongst non-malignant testicular tissues. In order to remove gene-specific background levels of non-specific hybridization, the 10th percentile value amongst non-malignant normal testicular tissues was subtracted from both the numerator and the denominator before the ratio was evaluated.

60 TABLE 50A:
 Pkey: Unique Eos probeset Identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigeneID: Unigene number
 Unigene Title: Unigene gene title
 R1: Ratio of non-seminomatous mixed germ cell testicular cancer compared to normal adult tissues

	Pkey	ExAccn	Unigene	Unigene Title	R1
70	432666	AW204069		ESTs, Weakly similar to unnamed protein	74.60
	432730	AI066620	Hs.131358	ESTs	50.55
	450581	AF081513	Hs.25195	TGF-beta 4	47.85
	418696	AW959433	Hs.326290	hypothetical protein FLJ12581	44.05
	423458	AI204212		ESTs	35.50
75	428664	AK001666	Hs.189095	similar to SALL1 (sal (Drosophila))-like	30.80
	448981	AI968719	Hs.195387	ESTs	26.40
	407710	AW022727	Hs.23616	ESTs	24.00
	429486	AP155827	Hs.203953	hypothetical protein FLJ10339	19.35
	451105	BE382701	Hs.25960	N-MYC oncogene	18.85
80	417407	AA923278	Hs.290905	ESTs, Weakly similar to prolase [H.sapi	18.40
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11391 fis, clone HE	18.25

	424578	AK001973	Hs.150890	hypothetical protein	17.86
	418756	AA252254	Hs.226949	ESTs	17.20
	404996			Target Exon	16.15
5	447534	AW953935	Hs.288655	ESTs	15.80
	456847	AI380455	Hs.37776	ESTs	15.00
	446979	AI654443	Hs.197693	ESTs	14.80
	438915	AA280174	Hs.285681	Williams-Beuren syndrome chromosome regi	14.75
	452838	U65011	Hs.30743	preferentially expressed antigen in mela	14.70
10	449322	AI638816	Hs.196666	ESTs	14.35
	418007	M13609	Hs.83169	matrix metalloproteinase 1 (interstitial	14.20
	448776	BE302464	Hs.30057	MRS2 (S. cerevisiae)-like, magnesium hom	12.95
	433330	AW207084	Hs.132816	hypothetical protein MGC14801	12.70
	410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 (Ciona savignyi	12.55
15	447188	H65423	Hs.17631	hypothetical protein DKF2p434E2135	12.43
	406547			Target Exon	12.35
	434649	AA738254	Hs.165390	ESTs, Highly similar to A40350 transcrip	12.10
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	11.55
	408908	BE296227	Hs.250822	serine/threonine kinase 15	11.55
20	437099	N77793	Hs.48669	ESTs, Highly similar to S14458 laminin a	11.05
	430676	AF084866		gb:Homo sapiens envelope protein RJC-3 (	10.08
	426866	U02330	Hs.172816	neuregulin 1	10.05
	446791	AI632278	Hs.195922	ESTs	10.05
	433159	AB036898	Hs.150587	kinesin-like protein 2	9.85
25	428479	Y00272	Hs.334562	cell division cycle 2, G1 to S and G2 to	8.95
	427521	AW973352		ESTs	8.92
	452291	AF015692	Hs.28853	CDCC7 (cell division cycle 7, S. cerevisi	8.90
	427486	AA974433		fibroblast growth factor 4 (heparin secr	8.62
	425266	J00077	Hs.155421	alpha-fetoprotein	8.50
30	408465	AW196940	Hs.253277	ESTs	8.47
	444971	AI651116	Hs.148659	ESTs	8.35
	413318	AU076607	Hs.75285	Inter-alpha (globulin) inhibitor, H2 pol	8.35
	425769	U72513	Hs.158486	Human RPL13-2 pseudogene mRNA, complete	8.00
	409731	AA125985	Hs.56145	thymosin, beta, identified in neuroblast	7.95
35	424905	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	7.75
	412265	AA101325	Hs.86154	hypothetical protein FLJ12457	7.65
	407340	AA810168	Hs.284269	villin-associated protein VIT-1	7.60
	453884	AA355925	Hs.36232	KIAA0186 gene product	7.36
	422956	BE545072	Hs.122579	ECT2 protein (Epithelial cell transformi	7.25
40	432239	X81334	Hs.2936	matrix metalloproteinase 13 (collagenase	7.25
	440119	AA865455	Hs.125331	ESTs, Moderately similar to unknown [Hs	7.22
	431840	AA534908	Hs.2860	POU domain, class 5, transcription facto	7.13
	435918	AF263538	Hs.86232	growth differentiation factor 3	7.13
	412537	AL031778		nuclear transcription factor Y, alpha	7.08
45	416658	U03272	Hs.79432	fibrillin 2 (congenital contractual ara	7.05
	428916	AF003001	Hs.194562	telomeric repeat binding factor (NIMA-in	6.88
	424085	NM_002914	Hs.139226	replication factor C (activator 1) 2 (40	6.75
	463392	U23752	Hs.32984	SRY (sex determining region Y)-box 11	6.75
	437052	AA861697	Hs.120691	ESTs	6.75
50	425427	AI652662	Hs.157206	branched chain aminotransferase 1, cytos	6.72
	443523	AK001576	Hs.9536	hypothetical protein FLJ10713	6.71
	457465	AW301344	Hs.122908	DNA replication factor	6.62
	442832	AW206560	Hs.253589	ESTs	6.54
	427711	M31859	Hs.180408	solute carrier family 25 (mitochondrial	6.30
55	453913	AW004683	Hs.76934	mutS (E. coli) homolog 2 (colon cancer,	6.30
	446588	AI970276	Hs.158905	KIAA1676	6.12
	436608	AA628980	Hs.192371	down syndrome critical region protein DS	6.09
	415857	AA866115	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	5.95
	412842	BE244598	Hs.809	hepatocyte growth factor (hepatopoietin A;	5.85
60	443068	AI188710		ESTs	5.85
	438450	AI050866	Hs.65853	nodal, mouse, homolog	5.81
	441287	AW293132	Hs.131373	ESTs	5.80
	425672	AB011076	Hs.158307	undifferentiated embryonic cell transcri	5.76
	416747	AW876523	Hs.15929	hypothetical protein FLJ12910	5.75
65	436902	AW247145	Hs.192729	ESTs	5.70
	441627	AA947552	Hs.58086	branched chain aminotransferase 1, cytos	5.60
	440304	BE159984	Hs.125395	ESTs	5.60
	432407	AA221038	Hs.13273	gb:zr03f12r1 Stratagene NT2 neuronal pr	5.56
	436812	AW298067		gb:U1-BW0-ajp-g-09-0-U1.s1 NCLCGAP_Su	5.55
70	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	5.51
	431354	BE046958	Hs.251673	DNA (cytosine-5)-methyltransferase 3 ba	5.51
	430044	AA464510	Hs.152812	ESTs	5.47
	437036	AL571514	Hs.133022	ESTs	5.46
	435663	AI023707	Hs.134273	ESTs	5.40
75	427667	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 fis, clone NT	5.40
	416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A {	5.21
	447254	NM_004153	Hs.17908	origin recognition complex, subunit 1 (y	5.15
	434551	BE387162	Hs.280858	ESTs, Highly similar to A35681 DNA excis	5.15
	430272	X04898	Hs.237658	apoptoprotein A-II	5.12
80	427961	AW293165	Hs.143134	ESTs	5.05
	424315	AW614850	Hs.193384	putative 28 kDa protein	5.05
	409798	AA248587	Hs.30237	ESTs, Weakly similar to ALJ2B_HUMAN III	5.00
	418477	AW022983		gb:df46h12.y1 Morton Fetal Cochlea Homo	5.00
	418378	AW962081		gb:EST374154 MAGE resequences, MAGG Homo	4.95

	430255	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1551 protein,	4.94
	443537	D13305	Hs.203	cholecystokinin B receptor	4.92
	431494	AA991355	Hs.298312	hypothetical protein DKFZp434A1315	4.90
5	416661	AA634543	Hs.79440	IGF-II mRNA-binding protein 3	4.85
	423642	AW452650	Hs.157148	hypothetical protein MGC13204	4.80
	449692	AI655494	Hs.195718	ESTs	4.75
	407300	AA102616	Hs.120769	gb:zn43e07.s1 Stralagene HeLa cell s3 93	4.73
	420333	AJ001383	Hs.97084	lymphocyte antigen 94 (mouse) homolog (a	4.68
10	446700	AW206257	Hs.155328	Human DNA sequence from clone RP11-145L2	4.61
	445537	AJ245671	Hs.12844	EGF-like domain, multiple 6	4.60
	448986	AW372914	Hs.86149	phosphoinositide 3-phosphate-binding prot	4.50
	439570	T79925	Hs.269165	ESTs, Weakly similar to ALU1_HUMAN ALU S	4.50
	440006	AK000517	Hs.6844	NALP2 protein; PYRIN-Containing APAF1-li	4.48
	402145			Target Exon	4.48
15	408750	BE294069	Hs.93581	hypothetical protein FLJ10512	4.47
	453289	AI88161	Hs.144627	ESTs	4.45
	430252	AI638774	Hs.105328	testes development-related NYD-SP20	4.40
	422689	AW856665		gb:RC3-CT0297-290100-013-d03 CT0297 Homo	4.32
	426427	M86699	Hs.169840	TTK protein kinase	4.30
20	420047	AJ478658	Hs.94631	brefeldin A-inhibited guanine nucleotide	4.20
	430287	AW182459	Hs.125759	ESTs, Weakly similar to LEU5_HUMAN LEUKE	4.18
	419635	NM_005033	Hs.91728	polymyositis/scleroderma autoantigen 1 (	4.15
	416209	AA236776	Hs.79078	MAD2 (mitotic arrest deficient, yeast, h	4.10
25	438188	AA779975	Hs.128859	ESTs	4.10
	435614	AW592804		ESTs	4.10
	442333	AI650877	Hs.129302	ESTs	4.05
	413627	BE182082	Hs.246973	Intron of Bicaudal D homolog 1	4.00
	445140	AI650599	Hs.197913	ESTs, Weakly similar to SCP3 MOUSE SYNAP	4.00
30	448038	AW016073	Hs.232026	ESTs, Weakly similar to ROS2_HUMAN 52 KD	4.00
	458814	AI498957	Hs.170861	ESTs, Weakly similar to Z195_HUMAN ZINC	3.95
	419423	D26488	Hs.90315	KIAA0007 protein	3.95
	440527	AV657117	Hs.184164	ESTs, Moderately similar to S65657 alpha	3.95
	441553	AA281219	Hs.121296	ESTs	3.95
35	432415	T16971	Hs.289014	ESTs, Weakly similar to A43932 mucn 2 p	3.91
	409757	NM_001898	Hs.123114	cystatin SN	3.89
	432281	AK001239	Hs.274263	hypothetical protein FLJ10377	3.88
	450351	BE547267	Hs.59781	hypothetical protein MGC13183	3.85
	403780			C4001759:gil133250[sp]P19474[RO52_HUMAN	3.84
40	421917	AB028943	Hs.109445	KIAA1020 protein	3.84
	417153	X57010	Hs.81343	collagen, type II, alpha 1 (primary oste	3.84
	429120	AK001673	Hs.196530	hypothetical protein FLJ10811	3.82
	410193	AJ132592	Hs.59757	zinc finger protein 261	3.80
	453922	AF053306	Hs.36708	budding uninhibited by benzimidazoles 1	3.80
45	415829	AW450198	Hs.163742	ESTs	3.78
	440953	AI683036	Hs.124135	Homo sapiens cDNA FLJ13051 fls, clone NT	3.77
	439780	AL109588		gb:Homo sapiens mRNA full length insert	3.70
	422938	NM_001809	Hs.1594	centromere protein A (17kD)	3.68
	415947	U04045	Hs.78834	mutS (E. coli) homolog 2 (colon cancer,	3.66
50	423123	NM_012247	Hs.124027	SELENOPHOSPHATE SYNTHETASE; Human selen	3.66
	420900	AL045633	Hs.44269	ESTs	3.65
	426572	AB037783	Hs.170623	hypothetical protein FLJ11183	3.65
	426496	D31765	Hs.170114	KIAA0061 protein	3.60
	452461	N78223	Hs.108106	transcription factor	3.60
55	416379	AA218940	Hs.137516	fdgeln-like 1	3.50
	442573	H93356	Hs.7557	branched chain aminotransferase 1, cytos	3.48
	428301	AW626686	Hs.98440	ESTs, Weakly similar to J38022 hypotheti	3.45
	419384	AA490665	Hs.39429	ESTs	3.44
	453932	AW006303	Hs.329256	ESTs, Weakly similar to (define not ava	3.43
60	446293	AI420213	Hs.149722	LIM domain transcription factor LIM-1 (h	3.41
	422094	AF128536	Hs.272027	F-box only protein 5	3.40
	418661	NM_001949	Hs.1189	E2F transcription factor 3	3.40
	423198	M81933	Hs.1634	cell division cycle 25A	3.39
	424153	AA451737	Hs.141496	MAGE-like 2	3.38
65	417705	AW134952	Hs.175220	hypothetical protein FLJ14541	3.37
	443715	AI583187	Hs.9700	cyclin E1	3.34
	420281	AI623893	Hs.323494	Predicted cation efflux pump	3.34
	449571	AW016812	Hs.200266	ESTs	3.34
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	3.31
70	452807	AA028933	Hs.162434	ESTs	3.31
	422756	AA441787	Hs.119689	glycoprotein hormones, alpha polypeptide	3.30
	421650	AA781795	Hs.122587	ESTs	3.30
	418355	L42563	Hs.1165	ATPase, H7 transporting, nongastric, alp	3.28
75	438494	AA908878	Hs.130183	ESTs	3.23
	424568	AF005418	Hs.150595	cytochrome P450, subfamily XXVIA, polype	3.22
	433764	AW753676	Hs.39982	zinc finger protein RINZF (NM_023929)	3.20
	427642	R40761	Hs.9834	ESTs	3.20
	414747	U30672	Hs.77204	centromere protein F (350/400kD, mitotin	3.18
	403432			NM_001622:Homo sapiens alpha-2-HS-glycop	3.18
80	442818	R56222	Hs.26514	ESTs	3.17
	415799	AA653718	Hs.225841	DKFZP434D193 protein	3.17
	416000	R82342	Hs.79856	ESTs, Weakly similar to S65657 alpha-1C-	3.15
	450431	AW136797	Hs.266041	ESTs	3.13
	433800	AI034361	Hs.135150	lung type-I cell membrane-associated gly	3.12

	430835	AI240006	Hs.192326	ESTs	3.12
	419741	NM_007019	Hs.93002	ubiquitin carrier protein E2-C	3.10
	417791	AW965339	Hs.111471	ESTs	3.10
5	434609	R76693		gb:Y160c11.1 Soares placenta Nb2HP Homo	3.05
	430253	AK001514	Hs.236844	hypothetical protein FLJ10652	3.04
	411975	AI916058	Hs.144583	ESTs	3.01
	430491	AL109791	Hs.241569	Homo sapiens mRNA full length insert cDN	3.00
	413943	AW294416	Hs.144687	Homo sapiens cDNA FLJ12981 fls, clone NT	2.99
10	440207	AI371978	Hs.128326	ESTs	2.98
	435726	BE535787	Hs.113170	ESTs	2.97
	432840	AK001403	Hs.279521	hypothetical protein FLJ20530	2.97
	450149	AW969781	Hs.132863	Zc family member 2 (odd-paired Drosophi	2.95
	435373	AW665538	Hs.117689	ESTs	2.93
15	452571	W31518	Hs.34665	ESTs	2.93
	454679	AW813110		gb:CM4-ST0189-051099-021-405 ST0189 Homo	2.91
	414972	BE263782	Hs.77695	KIAA0008 gene product	2.90
	437496	AA452378	Hs.146658	Homo sapiens mRNA; cDNA DKFZp547J125 (fr	2.90
	420092	AA814043	Hs.88045	ESTs	2.89
20	438378	AW970529	Hs.86434	hypothetical protein FLJ21816	2.89
	434414	AI798376		gb:U34b07.x1 NCI_CGAP_Ov23 Homo sapiens	2.87
	422746	NM_004484	Hs.119651	glypican 3	2.87
	446258	AI283476	Hs.263478	ESTs	2.85
	444371	BE540274	Hs.239	forkhead box M1	2.86
25	409517	X90780		troponin I, cardiac	2.86
	414034	U89277	Hs.305985	early development regulator 1 (homolog o	2.84
	443169	AI038687	Hs.133338	ESTs	2.84
	447519	U46258	Hs.339665	ESTs	2.84
	453785	AI368236	Hs.283732	ESTs, Moderately similar to ALU1_HUMAN A	2.84
30	406687	M31126		matrix metalloproteinase 11 (stromelysin	2.83
	416201	AA467752	Hs.195161	ESTs	2.83
	412140	AA219691	Hs.73625	RAB6 Interacting, kinesin-like (rabklnes	2.83
	457191	AI376228		Friend leukemia virus Integration 1	2.82
	410704	BE076754		gb:CM1-BT0601-180200-121-b10 BT0601 Homo	2.81
35	413646	BE155042		gb:PM0-HT0349-101299-002-E04 HT0349 Homo	2.80
	421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (f	2.75
	427719	AI393122	Hs.134726	ESTs	2.75
	451684	AF216751	Hs.26813	CDA14	2.75
	414580	NM_000506	Hs.78530	coagulation factor II (thrombin)	2.74
40	442032	AW016786		ESTs	2.73
	437123	AL049285	Hs.302053	Homo sapiens mRNA; cDNA DKFZp564M193 (fr	2.72
	446526	AI076640	Hs.15243	nucleolar protein 1 (120kD)	2.72
	442007	AA301116	Hs.142838	nucleolar phosphoprotein Nopp34	2.71
	438180	AA808189	Hs.272151	ESTs	2.70
45	453900	AW003582	Hs.226414	ESTs, Weakly similar to ALLUB_HUMAN ALU S	2.70
	423765	R23858	Hs.143375	Homo sapiens, clone IMAGE:3840937, mRNA,	2.69
	420949	AA934063	Hs.13836	ESTs, Weakly similar to I38022 hypothet	2.69
	413813	M96956	Hs.75561	teratocarcinoma-derived growth factor 1	2.68
	433914	AF108138	Hs.112160	Homo sapiens DNA helicase homolog (PIF1)	2.67
50	445413	AA151342	Hs.12677	CGI-147 protein	2.66
	448769	N66037	Hs.36173	ESTs	2.66
	411022	AW936378		gb:QV4-DY0021-301299-071-005 DY0021 Homo	2.65
	423600	AI633559	Hs.310359	ESTs	2.65
	447175	AI385208	Hs.293606	ESTs	2.65
55	414151	AW976468	Hs.257245	ESTs	2.65
	448877	AI583696	Hs.253313	ESTs	2.62
	427534	BE410293	Hs.179718	v-myb avian myeloblastic virus oncogen	2.61
	440591	AA431599	Hs.132799	hypothetical protein FLJ23451	2.61
	449665	AI855391	Hs.143375	Homo sapiens, clone IMAGE:3840937, mRNA,	2.61
60	453775	NM_002916	Hs.35120	replication factor C (activator 1) 4 (37	2.60
	429228	AI553633		ESTs	2.60
	410929	H47233	Hs.30643	ESTs	2.59
	427528	AI077143	Hs.179565	minichromosome maintenance deficient (S.	2.58
	446142	AI754693	Hs.145968	ESTs	2.56
65	445093	AI207197		ESTs	2.56
	413866	AI469213	Hs.71404	ESTs	2.55
	447733	AF157482	Hs.19400	MAD2 (mitotic arrest deficient, yeast, h	2.55
	420218	AW958037		ribosomal protein L4	2.55
70	407275	AI364188		gb:qw34b07.x1 NCI_CGAP_Ui4 Homo sapiens	2.55
	414312	AA158594	Hs.191060	ESTs	2.55
	421535	AB002358	Hs.105478	phosphoribosylformylglycinamide synthet	2.55
	439979	AW600291	Hs.6823	hypothetical protein FLJ10430	2.52
	426075	AW1513691	Hs.270149	ESTs, Weakly similar to 2109260A B cell	2.51
	435096	AA664977		gb:nu73b07.s1 NCI_CGAP_AJ1 Homo sapiens	2.50
75	422468	AA355210		gb:EST63589 Jurkat T-cells V Homo sapien	2.50
	449576	AW014631	Hs.225068	ESTs	2.50
	415884	D59366		sorbitol dehydrogenase	2.50
	452226	AA024898	Hs.157103	ESTs	2.50
	421451	AA291377	Hs.50831	ESTs	2.50
80	424308	AW975531	Hs.154443	minichromosome maintenance deficient (S.	2.50
	418203	X54942	Hs.83758	CDC28 protein kinase 2	2.49
	453941	U39817	Hs.36820	Bloom syndrome	2.49
	413762	AW411479	Hs.848	FK506-binding protein 4 (59kD)	2.49
	449655	AI021987	Hs.59970	ESTs	2.49

5	430521	NM_016383	Hs.242183	HOM-TES-85 tumor antigen	2.49
	447444	AK000318	Hs.18616	hypothetical protein FLJ20311	2.48
	414618	AI204600	Hs.96978	hypothetical protein MGC10764	2.48
	445363	NM_005993	Hs.12570	tubulin-specific chaperone d	2.47
	452404	AW450675	Hs.212709	ESTs	2.46
10	444823	BE262989	Hs.12045	putative protein	2.46
	427675	AW138190	Hs.180248	zinc finger protein 124 (HZF-16)	2.45
	444159	AF116846	Hs.10431	dead ringer (Drosophila)-like 2 (bright	2.45
	436211	AK001581	Hs.334828	hypothetical protein FLJ10719; KIAA1794	2.45
	416734	H81213	Hs.14825	ESTs, Weakly similar to KIAA1503 protein	2.45
15	433183	AF231338	Hs.222024	transcription factor BMAL2	2.45
	447350	AI375572		y-erb-a avian erythroblastic leukemia vi	2.45
	428728	NM_016625	Hs.191381	hypothetical protein	2.43
	407325	AA291180	Hs.328476	ESTs, Weakly similar to alternatively sp	2.43
	410276	AI554545		angiotensin-2	2.42
20	444670	H58373	Hs.332938	hypothetical protein MGC5370	2.42
	419029	AA233397	Hs.326290	hypothetical protein FLJ12581	2.42
	437908	AI082424		ESTs	2.41
	414812	X72755	Hs.77367	monokine induced by gamma interferon	2.41
	425202	AW962282	Hs.152049	ESTs, Weakly similar to I38022 hypothe	2.40
25	425212	AW962253	Hs.171818	ESTs	2.39
	423787	AJ295745	Hs.236204	nuclear pore complex protein	2.38
	425601	AW629485	Hs.140720	GSK-3 binding protein FRAT2	2.38
	449676	AW380579	Hs.209657	ESTs	2.38
	429467	NM_004477	Hs.203772	FSHD region gene 1	2.37
30	453227	AW135862	Hs.243991	ESTs	2.37
	417833	AW003251	Hs.86264	hypothetical protein FLJ14549	2.36
	451999	AW176401	Hs.27424	DEAD/H (Asp-Glu-Ala-Asp/His) box polypep	2.36
	407910	AA850274	Hs.41296	fibronectin leucine rich transmembrane p	2.35
	418866	T65764		gb:yc11c07.s1 Stratagene lung (837210) H	2.35
35	410060	NM_001448	Hs.58367	glypican 4	2.35
	449138	AW294215	Hs.195631	ESTs	2.35
	425159	NM_004341	Hs.154868	carbamoyl-phosphate synthetase 2, aspart	2.35
	434808	AF155108	Hs.256150	Homo sapiens, Similar to RIKEN cDNA 2810	2.35
	436481	AA379597	Hs.5199	HSPC160 protein similar to ubiquitin-con	2.34
40	410275	U85858	Hs.61796	transcription factor AP-2 gamma (activat	2.34
	407818	AL021938	Hs.40154	[unint] (mouse) homolog	2.34
	417777	AI623763	Hs.7055	ESTs, Weakly similar to I78885 serine/th	2.33
	401704			NM_021195: Homo sapiens claudin 6 (CLDN6	2.33
	449670	F07693	Hs.85803	Homo sapiens mRNA; cDNA DKFZp434K2172 (f	2.32
45	424081	NM_005413	Hs.138120	ribonuclease P (30kD)	2.32
	422809	AK001379	Hs.121028	hypothetical protein FLJ10549	2.31
	429271	AF039850	Hs.198515	dead ringer (Drosophila)-like 1	2.30
	432865	AI753709	Hs.152484	ESTs, Weakly similar to I38022 hypothe	2.30
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy	2.30
50	410166	AK001376	Hs.59346	hypothetical protein FLJ10514	2.30
	448755	AW503807	Hs.21907	histone acetyltransferase	2.30
	403433			NM_001622: Homo sapiens alpha-2-HS-glycop	2.29
	441031	AI110584	Hs.7645	fibrinogen, B beta polypeptide	2.29
	419594	AA013051	Hs.91417	topoisomerase (DNA) II binding protein	2.28
55	407269	AA135159	Hs.203349	Homo sapiens cDNA FLJ12149 fis, clone MA	2.27
	425810	AA830797	Hs.184760	CCAAT-box-binding transcription factor	2.26
	401220			branched chain aminotransferase 1, cytos	2.26
	453985	N44545	Hs.251865	ESTs	2.25
	414890	BE281095	Hs.77673	uridine phosphorylase	2.25
60	409014	H83115	Hs.49780	origin recognition complex, subunit 6 (y	2.25
	418140	BE519836	Hs.83551	microfibrillar-associated protein 2	2.25
	424765	AA428211		hypothetical protein FLJ14033 similar to	2.25
	419278	AL076799	Hs.1247	apolipoprotein A-IV	2.24
	412123	BE251328	Hs.73291	hypothetical protein FLJ10881	2.24
65	438459	T49300	Hs.35304	Homo sapiens cDNA FLJ13655 fis, clone PL	2.23
	417273	AK002209	Hs.81831	Homo sapiens cDNA FLJ11347 fis, clone PL	2.23
	449722	BE280074	Hs.23960	cyclin B1	2.22
	443184	AI638728	Hs.131973	ESTs	2.22
	416391	AI878927	Hs.79284	mesoderm specific transcript (mouse) hom	2.21
70	440983	M20681	Hs.7594	solute carrier family 2 (facilitated gl	2.21
	435045	BE287155	Hs.143698	ESTs	2.21
	414883	AA926860		CDC28 protein kinase 1	2.21
	448323	AI288274	Hs.345792	ESTs	2.20
	410855	X97795	Hs.66718	RAD54 (S.cerevisiae)-like	2.20
75	448757	AI366784	Hs.46820	TATA box binding protein (TBP)-associate	2.20
	450254	NM_004885	Hs.99231	neuropeptide G protein-coupled receptor;	2.20
	418973	AA233058	Hs.191518	ESTs	2.20
	413582	AW295647	Hs.71331	hypothetical protein MGC5350	2.20
	434334	AA912476	Hs.116750	Homo sapiens cDNA FLJ13221 fis, clone NT	2.20
80	443748	AW206447		gb:U1-H-B11-afg-g-02-G-U1.s1 NCL_CGAP_Su	2.20
	415989	AI267700		ESTs	2.20
	400195			NM_007057: Homo sapiens ZW10 interactor	2.20
	428878	AA436884	Hs.48925	ESTs	2.20
	431805	NM_014053	Hs.270594	FLVCR protein	2.19
	446839	BE091926	Hs.16244	mitotic spindle coiled-coil related prot	2.19
	424381	AA285249	Hs.146329	protein kinase Ctk2(CHEK2)	2.18
	417389	BE260964	Hs.82045	midkine (neurite growth-promoting factor	2.18

5	423905	AW579960	Hs.135150	lung type-I cell membrane-associated gly	2.18
	413992	W26276	Hs.104557	RNA, U2 small nuclear	2.18
	412722	AI343300	Hs.15081	ESTs	2.18
	409089	NM_014781	Hs.50421	KIAA0203 gene product	2.17
	430809	AI791150	Hs.262009	ESTs, Moderately similar to I38022 hypot	2.17
	406542			C19000728*:gij12585552[spl]Q9Y2Q1J2257_HU	2.17
	420509	M83554	Hs.1314	tumor necrosis factor receptor superfam	2.17
	425234	AW152225	Hs.165909	ESTs, Weakly similar to I38022 hypotheti	2.17
10	425580	L11144	Hs.1907	galanin	2.16
	439398	AA284267	Hs.221504	ESTs	2.16
	452833	BE569681	Hs.30736	KIAA0124 protein	2.15
	421350	AW301608	Hs.278188	ESTs, Moderately similar to 154374 gene	2.15
	444863	AW384082	Hs.104879	serine (or cysteine) proteinase inhibito	2.15
	449410	AA001356	Hs.18159	ESTs	2.15
15	442717	R88362	Hs.180591	ESTs, Weakly similar to T23976 hypotheti	2.15
	427953	AA417944	Hs.44331	ESTs	2.15
	422281	M36803	Hs.346935	hemopexin	2.15
	433675	AW977653	Hs.75319	ribonucleotide reductase M2 polypeptide	2.14
20	444960	AI611317	Hs.341531	ESTs	2.14
	415890	H08225	Hs.268712	ESTs	2.14
	402099			ENSP00000217725*:Laminin alpha-4 chain p	2.14
	427779	AA906997	Hs.180780	TERA protein	2.14
	453005	AW055308	Hs.31803	ESTs, Weakly similar to N-WASP [H.sapien	2.14
25	422170	AI791949	Hs.112432	anti-Müllerian hormone	2.14
	414161	AA136106	Hs.184852	KIAA1563 protein	2.14
	437623	D63880	Hs.5719	chromosome condensation-related SMC-asso	2.13
	449810	AB008681	Hs.23994	activin A receptor, type IIB	2.11
	450663	H43540	Hs.25292	ribonuclease H1, large subunit	2.11
30	419526	T79257	Hs.1259	asialoglycoprotein receptor 2	2.11
	424727	AW590378	Hs.152519	hypothetical protein FLJ20674	2.10
	418592	X99226	Hs.284153	Fanconi anemia, complementation group A	2.10
	425292	NM_005824	Hs.155545	37 kDa leucine-rich repeat (LRR) protein	2.10
	430821	AA487264	Hs.154974	Homo sapiens mRNA; cDNA DKFZp667N084 (fr	2.09
35	418552	AF198254	Hs.86088	IGF-II mRNA-binding protein 1	2.09
	408291	AB023191	Hs.44131	KIAA0974 protein	2.09
	425474	Z48054	Hs.158084	peroxisome receptor 1	2.09
	453028	AB008532	Hs.31442	RecQ protein-like 4	2.09
	447831	AI433293	Hs.154115	ESTs	2.08
40	437182	AW005505	Hs.5464	thyroid hormone receptor coactivating pr	2.08
	429166	AB033096	Hs.197668	KIAA1270 protein	2.08
	432446	AA542845	Hs.294088	GAJ protein	2.08
	417865	AW067903	Hs.82772	collagen, type XI, alpha 1	2.07
	431093	AB031038	Hs.301704	omesoderm (Xenopus laevis) homolog	2.07
45	408116	AA251393	Hs.289052	Homo sapiens, Similar to RIKEN cDNA 5430	2.07
	449569	AI656634	Hs.195389	ESTs	2.07
	429999	AI761902	Hs.99597	ESTs	2.06
	420552	AK000492	Hs.98806	hypothetical protein	2.06
	423175	W27596	Hs.347310	hypothetical protein FLJ14627	2.05
50	406137			NM_000179*:Homo sapiens mutS (E. coli) h	2.05
	413833	Z15005	Hs.75573	centromere protein E (312kD)	2.05
	450375	AA009647		a disintegrin and metalloproteinase doma	2.05
	409066	AA062980	Hs.66960	ESTs	2.05
	425700	AF076292	Hs.159251	forkhead box H1	2.05
55	432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fis, clone HE	2.05
	409093	BE243834	Hs.50441	CGI-04 protein	2.05
	418054	NM_002318	Hs.83354	lysyl oxidase-like 2	2.04
	408446	AW460669	Hs.45068	hypothetical protein DKFZp434I143	2.04
	417115	AW952792	Hs.334612	small nuclear ribonucleoprotein polypept	2.04
60	429840	AA459699	Hs.99496	ESTs	2.03
	409717	AW452871	Hs.56043	CGI-115 protein	2.02
	418113	AI272141	Hs.83484	SRY (sex determining region Y)-box 4	2.02
	448275	BE514434	Hs.20830	kinesin-like 2	2.02
	432731	R31178	Hs.287820	fibronectin 1	2.02
65	405157			NM_003213*:Homo sapiens TEA domain faml	2.02
	425274	BE281191	Hs.155462	minichromosome maintenance deficient (m	2.01
	423739	AA398155	Hs.97600	ESTs	2.01
	421310	AW630087	Hs.103315	trinucleotide repeat containing 1	2.00
	457107	AA418246	Hs.185796	ESTs, Weakly similar to Z184_HUMAN ZINC	2.00
70	437257	AI283085	Hs.290931	ESTs, Weakly similar to YFJ7_YEAST HYPOT	2.00
	407259	L02258		gb:Human Fab fragment binding syncyti	2.00

TABLE 50B:

Pkey: Unique Eos probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

Pkey	CAT Number	Accession
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432668	144_7	AA558585 AA565499 AI360576 AW204069 AA981648 AA864939
423458	30480_1	BC018070 BG702493 AI204212 AA460928 AA993606 BF926635 AA226938 BG190705 BG186496 AW291865 BG183340 BG195301 BG214539
		BG215094 BG198867 BG196332 BG208220 BG212418

430676	60836_2	BG433950 BE061583 T05808 BE144813 AWB12038 BE144812 AWB12040 AWB12041 AU124350 BE061602 BE061604 BF922596 BE061603		
427521	513212_1	AI352469 BE061601 BI062752 AWB18206 BF887722		
427486	684159_1	AW973352 BF222929 AW016853 BF059130 AI651829 BE551767 AA558414 AI339359 BF059601 AI961162 AI341422 AI206248 AI206165		
412537	14065_1	AA548736 AA768578 AI539081 AW025957 AA736837 N79575 AW594367 AA480892		
10		BF510715 BE673055 BE484111 AW590620 AI637939 AA404324 AW236441 AI650952 BF056796 AA974433		
		AK025201 AA425472 AI694282 BG057305 AA907787 AI286170 AI684577 AJ420494 AI809865 BF058095 AI478773 AI160445 AL044114		
		AW665529 AI129239 AW297152 AI268215 AI469807 AI969353 BE552356 N66509 AA736741 AA382556 AW075811 AV759188 BI259364		
		BF445142 BG232065 AI141758 AI631202 AI187566 AI208445 AA889623 BF982682 N90322 BI090882 BF208005 AW953818 AL044113 AI016793		
		AA382556 AW235763 AA927051 AI862075 BE886891 BE619282		
		AV752763 AI032142 N30308 N22181 H95590 AW675632		
		AW978773 AW296067 AA810101 AW194180 AA731645 AI690673		
		BC022538 AI990847 BF478249 BG217996 BG212702 BG182057 AW589883 BF000085 AA993969 BG479023 BG220014 BG679466 BE907092		
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		AA218925 AW962081 AA354237		
		AW964733 AA315006 AW855665		
		AA683356 AW592804 AI150287		
		AL109688 R23665 R26578		
		AF147390 R76593 R76594		
20		AW813110 BF771370 BF771371 AW813113 AW003381		
		AF134164 BF809407 AA218567 BF842863 AI267168 BF876178 BG999253 AW861851 AW858362 AI817548 BF771300 AA113928 AA223422		
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		NM_000363 X54183 M64247 A256781 AI760600 AI367238 BE140258 AW207185 AI657074 C03333 AI193911 C05024 C03499 AI950216 C05070		
		C05613 W17389 C05351 AA311399 C04180 C04896 C05602 C05482 C04456 C04543 C04558 C04551 C03114 C03103 AI369979 AI652255		
		T12391 T12073 W19390 C02994 C02730 C04434 W07136 R57607 C03339		
		M31126		
		AI216469 AI354789 AA446136 H24336 AA46443 AI376228 R48940		
30	406687	0_0		
	457191	1369182_1		
	410704	1054673_1		
		BE166917 AW877529 BE166928 BF351394 AW877522 AW877528 BE166861 BE166866 BE166913 BE166919 AW877456 AW877537 BE076866		
		AW840571		
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35	442032	1525656_1		
	411022	16407_1		
	429229	1088686_1		
		215430_1		
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		AW969605 AI553633		
		AI207197 BF773544 AW196462		
		AW958037 R42557 AI337047 AA948360 AI638005 AA459950 AI624915 AI638047 AI467856 AI521826 AA860305 AI932315 AW003092 AW271756		
		AW779380 AA609879 AI634791 AI493770 AI585211 Z41145 AI627952 AA303734 BE349457 AW196765 AA256627 BE089727		
40	435096	125215_1		
	422468	216874_1		
	415684	18595_18		
	447350	2267324_1		
	410276	641443_1		
45	437908	13268_11		
	418866	245947_1		
	424765	6857_1		
		AK021881 AU145974 AU145877 C16864 AA428211 AU119698 AA993264 BF999192 AW903017 AA346559 AU119446 AW581679 AA991677		
		AW898185 AW386878 AW880957 Z18340		
		AF274943 BG494894 AI719076 AA908783 AI935150 AM22691 AA910644 AA583187 BM272167 AI828896 AA527373 AW972459 AI831360		
50	414883	8371_2		
		AA772418 AI033892 AA100525 AU154749 AI459432 AI423513 AI094597 AA740817 AI991986 AI090282 AI312104 BI255707 AA459522 AA416871		
		AI075239 AI339996 AA701623 AI139549 AI336880 AA633648 AI989380 AI362835 AA399239 AI146955 BF514270 N92892 AI348243 AI278887		
		AA459292 AI494230 BF507531 AI492600 AA982586 AW613002 AA283140 AA235549 BF108854 AA954344 AA93682 AI457100 AW589407		
		AW300758 BE220715 BE220698 BE569091 BM009647 BF900351 AI537692 AI203723 AI857576 AA584410 AW9371667 BM172363		
		BM467830 AI084433 AW206447 AI400976 AI248530 R16553		
55	443748	669881_1		
	415989	10194_1		
		BC013389 BC017398 AI023543 AA191424 AI267700 AI469633 AW958465 AW953397 AA172056 BE940298 BF909208 BF090980 BF095153		
		BG285837 AI720344 BF541715 AA356086 AA172236		
		BM477554 BM423967 BC020979 AF067656 NM_007057 BI086291 BG468283 BG760599 BI261768 AA855060 BE267094 BF212452 BE888249		
		BI259219 AW409765 BE089556 AL564377 BI258884 AW440401 AL578460 AL578434 AL556135 BG036804 AL531381 AW371787 BG610641		
		BF102552 BE294929 BF792282 BG121657 BG502285 BG777493 AL564510 AW770358 AA573448 AA564001 AA969560 AW078946 AW750065		
60	450375	16559_3		
		AL573880 AA143778 H99221 AA969210 AW103401 AW750073		
		BG570706 BG572749 AW606284 H04021 AA151168 AW954405 AA131254 BG056461 W46291 H01532 H04364 H03231 AA852876 H04410		
		H59606 BE157601 AA113758		
65	TABLE 50C			
	Key:	Unique number corresponding to an Eos probeset		
	Ref:	Sequence source. The 7 digit numbers in this column are Genbank identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1999) Nature 402:489-495.		
	Strand:	Indicates DNA strand from which exons were predicted.		
70	NL_position:	Indicates nucleotide positions of predicted exons.		
	Key	Ref	Strand	NL_position
75	404996	6007890	Plus	37599-38145,38652-38998,39727-39872,4055
	406547	7711613	Minus	172760-174358
	402145	8018280	Plus	113086-114800
	403780	8076889	Plus	93160-93409
	403432	9719811	Minus	68204-68392
	401704	3097841	Plus	24712-25374
	403433	9719611	Minus	72225-72437
80	401220	9929324	Minus	48079-48279
	406542	7711499	Plus	117335-118473
	402099	8117697	Plus	121553-121742,123265-123423
	406137	9166422	Minus	30487-31058

405157 9966226 Plus 156363-156502,157573-157746

5

TABLE 51A:

Pkey: Unique Eos probaset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigenelD: Unigene number
 Unigene Title: Unigene gene title
 R1: Ratio of seminomatous testicular cancer compared to normal adult tissues

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Pkey	ExAccn	UnigenelD	Unigene Title	R1
118696	AW959433	Hs.326290	hypothetical protein FLJ12581	56.62
432668	AW204069		ESTs, Weakly similar to unnamed protein	49.00
432730	AJ088520	Hs.131358	ESTs	37.64
426534	U58096	Hs.2051	testis specific protein, Y-linked	37.60
428864	AK001666	Hs.189095	similar to SALL1 (sal (Drosophila)-like	32.70
420367	AA259090	Hs.257028	ESTs	29.98
420347	AL033539	Hs.97124	Human DNA sequence from clone RP1-309H15	28.50
437052	AAB61697	Hs.120591	ESTs	26.42
407710	AW022727	Hs.23616	ESTs	23.85
420528	AF130728	Hs.98586	doublesex and mab-3 related transcriptio	23.12
424578	AK001973	Hs.160890	hypothetical protein	22.27
420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fs, clone HE	22.06
417407	AA923278	Hs.290905	ESTs, Weakly similar to protease [H.sapi	20.46
429486	AF155827	Hs.203963	hypothetical protein FLJ10339	18.44
434649	AA738254	Hs.166390	ESTs, Highly similar to A40350 transcrip	15.92
430252	AI638774	Hs.105328	testes development-related NYD-SP20	15.44
423458	AJ204212		ESTs	15.28
438915	AA280174	Hs.285681	Williams-Beuren syndrome chromosome regi	15.26
427711	M31659	Hs.180408	solute carrier family 25 (mitochondrial	14.84
427667	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 fs, clone NT	12.98
426427	M86689	Hs.169840	TTK protein kinase	12.44
420401	AK001907	Hs.97464	hypothetical protein	12.40
406937	U14522		gb:Human transketolase-like protein gene	11.80
430521	NM_016383	Hs.242183	HOM-TES-85 tumor antigen	11.55
425769	U72513	Hs.159486	Human RPL13-2 pseudogene mRNA, complete	11.52
416477	AW022983		gb:df46h12.y1 Morton Fetal Cochlea Homo	10.94
434551	BE387162	Hs.280858	ESTs, Highly similar to A35661 DNA excis	10.78
436812	AW298067		gb:UL-H-BWO-sjp-g-09-0-ULs1 NCLCGAP_Su	10.54
437789	AI581344	Hs.127812	ESTs, Weakly similar to T17330 hypotheti	10.40
433600	AI034361	Hs.135150	lung type-I cell membrane-associated gly	10.32
421241	X91817	Hs.102866	transketolase-like 1	10.14
410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 [Ciona savignyi	10.02
416134	AA397769	Hs.86617	ESTs	9.76
433159	AB035898	Hs.160587	kinesin-like protein 2	9.66
433976	AA971953	Hs.122055	ESTs	9.36
422856	BE545072	Hs.122579	ECT2 protein (Epithelial cell transformi	9.30
410561	BE540255	Hs.6994	Homo sapiens cDNA: FLJ22044 fs, clone H	9.22
431494	AA991355	Hs.298312	hypothetical protein DKFZp434A1315	9.16
436989	AA764852		ESTs	8.76
426083	AW962712	Hs.126712	ESTs, Weakly similar to AF191020 1 E2IG5	8.76
424906	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	8.64
408908	BE296227	Hs.250822	serine/threonine kinase 15	8.60
413627	BE182082	Hs.248973	Intron of Bicoid/D homolog 1	8.42
425572	AB011076	Hs.158307	undifferentiated embryonic cell transcri	8.30
415857	AA868115	Hs.127797	Homo sapiens cDNA FLJ11381 fs, clone HE	8.14
408728	AL137379	Hs.47125	hypothetical protein FLJ13912	8.14
406547			Target Exon	8.02
424153	AA451737	Hs.141496	MAGE-like 2	7.90
434699	AA643687	Hs.149425	Homo sapiens cDNA FLJ11980 fs, clone HE	7.84
437421	AA917062		ESTs	7.53
409731	AA125985	Hs.55145	thymosin, beta, identified in neuroblast	7.60
419423	D28488	Hs.90315	KIAA0007 protein	7.38
428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	7.38
431840	AA534908	Hs.2860	POU domain, class 5, transcription facto	7.32
430676	AF084866		gb:Homo sapiens envelope protein RIC-3 (	7.29
436808	AA628980	Hs.192371	down syndrome critical region protein DS	7.25
435206	AI432364	Hs.160594	ESTs	7.20
414972	BE263782	Hs.77695	KIAA0008 gene product	7.12
407340	AA810168	Hs.284289	vitiligo-associated protein VIT-1	7.10
426518	Z43039	Hs.170198	KIAA0009 gene product	7.10
436513	AJ278110	Hs.125507	DEAD-box protein	7.04
427521	AW973352		ESTs	6.96
423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	6.92
422232	D43945	Hs.113274	transcription factor EC	6.90
420047	AI478558	Hs.94631	brefeldin A-inhibited guanine nucleotide	6.83
431041	AA490967	Hs.197955	KIAA0704 protein	6.76
427335	AA448542	Hs.251677	G antigen 7B	6.68
422797	AB033064	Hs.236463	KIAA1236 protein	6.55
418379	AA218940	Hs.137516	fidgin-like 1	6.46

5	423905	AW579960	Hs.135160	lung type-I cell membrane-associated gly	6.45
	433764	AW753676	Hs.39982	zinc finger protein RINZF (NM_023929)	6.44
	422665	AJ011812	Hs.119018	transcription factor NRF	6.38
	433701	AW445023	Hs.15155	ESTs	6.34
	436909	AA907120		ESTs	6.28
10	423728	AW891294	Hs.132136	solute carrier family 4, sodium bicarbon	6.27
	429228	AI553633		ESTs	6.26
	419384	AA490866	Hs.39429	ESTs	6.23
	435614	AW592804		ESTs	6.08
	434334	AA912476	Hs.116760	Homo sapiens cDNA FLJ13221 fis, clone NT	5.90
15	430835	AI240006	Hs.192326	ESTs	5.89
	438188	AA779975	Hs.128859	ESTs	5.88
	429120	AK001673	Hs.196530	hypothetical protein FLJ10811	5.80
	408758	NM_003686	Hs.47504	exonuclease 1	5.78
	424081	NM_006413	Hs.139120	ribonuclease P (30kD)	5.70
20	423259	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fis, clone HE	5.67
	428153	AW513143	Hs.98367	SRY (sex determining region Y)-box 17 (S	5.64
	422889	AW856665		gb:RC3-CT0297-290100-013-d03 CT0297 Homo	5.58
	428301	AW626666	Hs.98440	ESTs, Weakly similar to I38022 hypotheti	5.58
	419556	U29615	Hs.91093	chitinase 1 (chitinobiosidase)	5.55
25	438494	AA908678	Hs.130183	ESTs	5.52
	421874	AA301270		gb:EST14192 Testis tumor Homo sapiens cD	5.52
	427510	Z47542	Hs.179312	small nuclear RNA activating complex, po	5.48
	412265	AA101325	Hs.86154	hypothetical protein FLJ12457	5.45
	413623	AA825721	Hs.246973	Intron of Bicaudal D homolog 1	5.36
30	402145			Target Exon	5.30
	414136	AA812434		SMC2 (structural maintenance of chromoso	5.28
	428479	Y00272	Hs.334562	cell division cycle 2, G1 to S and G2 to	5.22
	428949	AA442153	Hs.104744	hypothetical protein DKFZp434J0617	5.16
	408460	AA054726	Hs.285574	ESTs	5.14
35	416947	U04045	Hs.78934	mutS (E. coli) homolog 2 (colon cancer,	5.12
	420800	AL045833	Hs.44269	ESTs	5.08
	426496	D31765	Hs.170114	KIAA0061 protein	5.01
	407122	H20276	Hs.31742	ESTs	5.00
	422938	NM_001809	Hs.1594	centromere protein A (17kD)	4.95
40	402199			Target Exon	4.90
	409103	AF251237	Hs.112208	XAGE-1 protein	4.90
	416859	H43437	Hs.80305	hypothetical protein MGC14258	4.84
	410166	AK001376	Hs.59346	hypothetical protein FLJ10514	4.82
	410929	H47233	Hs.30643	ESTs	4.73
45	417886	AA214584		ESTs	4.73
	426223	AW977812	Hs.130391	ESTs	4.72
	409421	AA199883	Hs.57624	ESTs	4.72
	428249	AA130914	Hs.183291	zinc finger protein 268	4.71
	429999	AI761902	Hs.99597	ESTs	4.68
50	431721	AB032996	Hs.268044	KIAA1170 protein	4.68
	408321	AW405882	Hs.44205	cardiolipin	4.67
	419197	N48921	Hs.27441	KIAA1615 protein	4.66
	428329	AA260391	Hs.98453	ESTs, Moderately similar to R27328 2 (H.	4.64
	418235	BE072834		gb:PM4-BT0548-171299-001-h08 BT0548 Homo	4.64
55	427119	AW880562	Hs.272525	ESTs	4.64
	414812	X72765	Hs.77367	monokine induced by gamma interferon	4.64
	414034	U89277	Hs.305985	early development regulator 1 (homolog o	4.64
	409066	AA062980	Hs.66960	ESTs	4.62
	416201	AA467752	Hs.195161	ESTs	4.53
60	433330	AW207084	Hs.132816	hypothetical protein MGC14801	4.52
	429529	BE501732	Hs.30622	Homo sapiens cDNA FLJ13010 fis, clone NT	4.50
	437099	N77793	Hs.48659	ESTs, Highly similar to S14458 laminin a	4.48
	416798	AA853718	Hs.225841	DKFZP434D193 protein	4.46
	412530	AA766268	Hs.286273	hypothetical protein FLJ13346	4.34
65	418221	Z45514	Hs.83775	DiGeorge syndrome gene D	4.32
	418971	AA380392	Hs.87113	ESTs	4.30
	416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A (	4.29
	423175	W27595	Hs.347310	hypothetical protein FLJ14627	4.21
	415717	AA167270	Hs.130435	ESTs	4.18
70	423198	M81933	Hs.1634	cell division cycle 25A	4.12
	433849	BE455884	Hs.280728	ESTs	4.12
	436211	AK001581	Hs.334828	hypothetical protein FLJ10719; KIAA1794	4.11
	432840	AK001403	Hs.279521	hypothetical protein FLJ20530	4.07
	421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFZp434B0425 (f	4.07
75	414725	AA769791		ring finger protein 21, interferon-respo	4.06
	408291	AB023191	Hs.44131	KIAA0974 protein	4.05
	408332	H91230	Hs.234794	Homo sapiens mRNA; cDNA DKFZp564B083 (f	4.04
	416773	AK000340	Hs.79828	hypothetical protein FLJ20333	4.04
	427584	BE410293	Hs.179718	v-myb avian myeloblastosis viral oncogen	4.03
80	421917	AB028943	Hs.109445	KIAA1020 protein	4.02
	430647	AC003682	Hs.127988	ESTs, Weakly similar to Z211_HUMAN ZINC	4.02
	430267	AW182459	Hs.125758	ESTs, Weakly similar to LEU5_HUMAN LEUKE	4.01
	436360	AI982796	Hs.156100	ESTs	4.00
	438624	AA889055	Hs.123468	ESTs	3.99
	434609	R76593		gb:yl60c11.r1 Soares placenta Nb2HP Homo	3.92
	411945	AL033527	Hs.92137	L-myc-2 protein(MYCL2)	3.90
	408065	AW954272		gb:EST366342 MAGE resequences, MAGEC Homo	3.90

	413833	Z15005	Hs.75573	centromere protein E (312kD)	3.90
	421010	AW974553	Hs.267124	ESTs, Weakly similar to ALU6_HUMAN ALU 8	3.88
	438456	AA913381	Hs.20594	ESTs	3.88
5	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	3.87
	412537	AL031776		nuclear transcription factor Y, alpha	3.86
	418661	NM_001949	Hs.1189	E2F transcription factor 3	3.85
	408750	BE294069	Hs.93581	hypothetical protein FLJ10512	3.83
	422094	AF129535	Hs.272027	F-box only protein 5	3.82
10	419839	U24577	Hs.93304	phospholipase A2, group VII (platelet-ac	3.80
	416350	AF188625	Hs.189507	phospholipase A2, group IID	3.78
	426054	U12431	Hs.166109	ELAV (embryonic lethal, abnormal vision,	3.76
	401435			C14000397*.gil7498898[pir]T33295 hypoth	3.76
	424557	AA343057	Hs.164568	ESTs, Moderately similar to neuronal thr	3.74
15	422631	BE218919	Hs.116793	hypothetical protein FLJ10688	3.70
	409089	NM_014781	Hs.50421	KIAA0203 gene product	3.70
	426087	AW564891	Hs.97053	ESTs	3.67
	415684	D59356		sorbitol dehydrogenase	3.66
	429469	M64590	Hs.27	glycine dehydrogenase (decarboxylating;	3.62
20	424990	AW966399	Hs.46821	hypothetical protein FLJ20086	3.62
	427761	AA412205	Hs.140996	ESTs	3.61
	433641	AF080229		gb:Human endogenous retrovirus K clone 1	3.60
	418216	AA662240	Hs.283099	AF15q14 protein	3.59
	438180	AA808189	Hs.272151	ESTs	3.58
25	424281	AA766243		gb:aat3b11.s1 NCL_CGAP_GCB1 Homo sapiens	3.55
	421379	Y15221	Hs.103982	small inducible cytokine subfamily B (Cy	3.55
	428878	AA436884	Hs.48926	ESTs	3.54
	438885	AI886558	Hs.184387	ESTs	3.53
	416445	AL043004	Hs.79337	KIAA0135 protein	3.52
30	424381	AA285249	Hs.146329	protein kinase Chk2(CHEK2)	3.51
	432415	T16971	Hs.289014	ESTs, Weakly similar to A43932 nucln 2 p	3.49
	427298	AA400495		ESTs	3.48
	420218	AW958037		ribosomal protein L4	3.40
	407300	AA102516	Hs.120769	gbrzn43e07.s1 Stratagene HeLa cell s3 93	3.40
35	410420	AA224053	Hs.172405	cell division cycle 27	3.40
	432809	AA565509	Hs.131703	ESTs	3.36
	424085	NM_002914	Hs.139226	replication factor C (activator 1) 2 (40	3.34
	421373	AA808229	Hs.46677	ESTs	3.34
40	423354	AB011130	Hs.127436	calcium channel, voltage-dependent, alph	3.31
	418830	BE513731	Hs.88959	hypothetical protein MGC4816	3.30
	431077	AI689133	Hs.115660	hypothetical protein FLJ12810	3.30
	418049	AA211467		Homo sapiens, Similar to nuclear localiz	3.26
	420949	AA934063	Hs.13836	ESTs, Weakly similar to 138022 hypotheti	3.22
	432407	AA221036	Hs.13273	gb:zr03f12.r1 Stratagene NT2 neuronal pr	3.21
45	434288	AW189076	Hs.116265	fibrillin3	3.20
	418295	AW970043	Hs.238039	hypothetical protein FLJ11090	3.19
	429714	BE561801	Hs.2484	T-cell leukemia/lymphoma 1A	3.17
	421350	AW901608	Hs.278188	ESTs, Moderately similar to 154374 gene	3.17
	420161	AI683069	Hs.120817	ESTs	3.17
50	414818	AI204600	Hs.96978	hypothetical protein MGC10764	3.16
	430253	AK001514	Hs.236844	hypothetical protein FLJ10652	3.14
	414747	U30872	Hs.77204	centromere protein F (350/400kD, mitotin	3.14
	423419	R55336	Hs.23539	ESTs	3.13
	410275	UB5658	Hs.61796	transcription factor AP-2 gamma (activat	3.12
55	408092	NM_007057	Hs.42850	ZNF10 Interactor	3.12
	423585	BE350494	Hs.49753	uveal autoantigen with coiled coil domai	3.12
	439378	AW970529	Hs.86434	hypothetical protein FLJ21816	3.12
	415912	H08859	Hs.208469	ESTs, Weakly similar to ALU6_HUMAN ALU 8	3.12
	412140	AA219891	Hs.73625	RAB6 interacting, kinesin-like (rat) kines	3.11
60	420552	AK000492	Hs.58806	hypothetical protein	3.11
	402408			NM_030920*.Homo sapiens hypothetical pro	3.10
	432281	AK001239	Hs.274263	hypothetical protein FLJ10377	3.10
	415829	AW450198	Hs.163742	ESTs	3.09
	423739	AA398155	Hs.97600	ESTs	3.07
65	418459	R85436	Hs.268814	ESTs	3.07
	421972	M18185	Hs.1454	gastric inhibitory polypeptide	3.07
	437257	AI283085	Hs.290931	ESTs, Weakly similar to YFJ7_YEAST HYPOT	3.06
	429830	AI537278	Hs.225841	DKFZP434D193 protein	3.06
	420524	AB010575	Hs.98547	amiloride-sensitive cation channel 3, te	3.06
70	433023	AW864793		thrombospondin 1	3.04
	421633	AF121860	Hs.106260	sorting nexin 10	3.04
	420507	AF093408	Hs.98397	A kinase (PRKA) anchor protein 3	3.04
	432938	T27013	Hs.3132	steroidogenic acute regulatory protein	3.03
	414598	AI094221	Hs.135150	lung type-I cell membrane-associated gly	3.03
75	419635	NM_005033	Hs.91728	polymyositis/scleroderma autoantigen 1 {	3.03
	425312	AA354940	Hs.145958	ESTs	3.02
	425474	Z48054	Hs.158084	peroxisome receptor 1	3.01
	411027	AF072099	Hs.67646	leukocyte immunoglobulin-like receptor,	3.01
	432446	AA542845	Hs.294088	GAJ protein	3.01
80	424513	BE385864	Hs.149894	mitochondrial translational initiation f	3.00
	436902	AW247145	Hs.192729	ESTs	3.00
	422789	AK001113	Hs.120842	hypothetical protein FLJ10251	3.00
	430056	X97548	Hs.228059	KRAB-associated protein 1	2.98
	427617	D42053	Hs.199179	RAN binding protein 2	2.98

	406367		NM_022357: Homo sapiens putative metallo-	2.97
	418866	T65754	gbyc11c07.s1 Stratagene lung (937210) H	2.97
	435918	AF263538	growth differentiation factor 3	2.97
5	436511	AA721252	ESTs	2.96
	402680		Target Exon	2.96
	414161	AA136106	Hs.184852 KIAA1553 protein	2.95
	427239	BE270447	ubiquitin carrier protein	2.95
	433683	AI817723	Hs.22678 hypothetical protein FLJ21832	2.94
10	417576	AA339449	Hs.82285 phosphoribosylglycinamide formyltransfer	2.94
	402299		Target Exon	2.92
	420697	AA827705	Hs.26605 ESTs	2.90
	427719	AI393122	Hs.134726 ESTs	2.90
	419131	AA406293	Hs.109626 ESTs	2.89
15	410048	W76467	Hs.343874 proline oxidase homolog	2.89
	427314	AB033024	Hs.175475 KIAA1198 protein	2.89
	424315	AW614850	Hs.193384 putative 28 kDa protein	2.88
	430335	D80007	Hs.239499 KIAA0185 protein	2.87
	410361	BE391804	Hs.62661 guanylate binding protein 1, interferon-	2.87
20	413686	AI469213	Hs.71404 ESTs	2.87
	429183	AB014604	Hs.197955 KIAA0704 protein	2.86
	430292	AK000634	Hs.238270 hypothetical protein FLJ20627	2.86
	422726	U11690	Hs.1572 facio-genital dysplasia (Aarskog-Scofield sy	2.86
	437834	AA769294	gbm236g03.s1 NCL_CGAP_GCB1 Homo sapiens	2.86
25	435159	AA668879	Hs.116649 ESTs	2.84
	428361	NM_015905	Hs.183858 transcriptional intermediary factor 1	2.84
	430388	AA356923	Hs.240770 nuclear cap binding protein subunit 2, 2	2.84
	434070	AF116852	Hs.270087 hypothetical protein PRO0813	2.83
	429323	NM_001649	Hs.2391 apical protein, Xenopus laevis-like	2.83
30	433247	AB040948	Hs.142856 KIAA1515 protein	2.82
	415884	H22966	Hs.13471 ESTs	2.82
	427668	AA298760	Hs.180191 hypothetical protein FLJ14904	2.82
	437162	AW005505	Hs.5464 thyroid hormone receptor coactivating pr	2.81
	401091		decay accelerating factor for complement	2.81
35	425601	AW629485	Hs.140720 GSK-3 binding protein FRAT2	2.79
	428597	AK000147	Hs.295909 hypothetical protein FLJ10700	2.79
	417705	AW134952	Hs.175220 hypothetical protein FLJ14541	2.79
	438243	AI581311	ESTs	2.78
40	418203	X54942	Hs.83758 CDC28 protein kinase 2	2.78
	410704	BE076754	gb:CM1-BT0601-180200-121-b10 BT0601 Homo	2.77
	429063	AW363845	Hs.322903 ESTs, Weakly similar to A46010 X-linked	2.76
	427147	AA398587	Hs.97414 ESTs	2.76
	430552	AA176374	Hs.243886 nuclear autoantigenic sperm protein (hls	2.76
	437650	W31708	Hs.55304 ESTs	2.74
45	425237	U07695	Hs.155227 EphB4	2.72
	419335	AW960148	Hs.284137 hypothetical protein FLJ12888	2.72
	426386	AA748850	Hs.125830 bladder cancer overexpressed protein	2.70
	423123	NM_012247	Hs.124027 SELENOPHOSPHATE SYNTHETASE ; Human selen	2.70
	430968	AW972830	gb:EST384925 MAGE resequences, MAGL Homo	2.70
50	420596	NM_002692	Hs.99185 polymerase (DNA directed), epsilon 2	2.68
	419741	NM_007019	Hs.93002 ubiquitin carrier protein E2-C	2.68
	401484		histone deacetylase 5	2.68
	411856	H67899	Hs.4190 Homo sapiens cDNA: FLJ23269 fs, clone C	2.68
	411365	M76477	Hs.269082 GM2 ganglioside activator protein	2.68
55	419029	AA233397	Hs.326290 hypothetical protein FLJ12581	2.67
	421654	AW163267	Hs.106469 suppressor of var1 (S.cerevisiae) 3-like	2.66
	421535	AB002359	Hs.105478 phosphoribosylformylglycinamide synthet	2.66
	423453	AW450737	Hs.128791 CGI-09 protein	2.66
	412673	AL042957	Hs.31845 ESTs	2.66
60	410006	AW732308	Hs.57783 eukaryotic translation initiation factor	2.65
	434159	AW135214	Hs.191828 ESTs	2.65
	427260	AA683848	gb:ae70b06.s1 Stratagene schizo brain S1	2.64
	439053	BE244588	Hs.6456 chaperonin containing TCP1, subunit 2 (b	2.64
	414706	AW340125	Hs.76989 KIAA0087 gene product	2.64
65	433979	AA820999	gb:ag03a08.s1 Soares_testis_NHT Homo sep	2.64
	403969		ENSP00000034663: Zinc finger protein 131	2.64
	420582	BE047878	Hs.99093 Homo sapiens chromosome 19, cosmid R2837	2.64
	418355	L42563	Hs.1166 ATPase, H ⁺ transporting, non-gastric, alp	2.63
	411127	AA668995	Hs.218329 hypothetical protein	2.62
70	437205	AL110232	Hs.279243 Homo sapiens mRNA; cDNA DKFZp584D2071 (f	2.62
	412123	BE251328	Hs.73291 hypothetical protein FLJ10881	2.61
	436481	AA379597	Hs.5199 HSPC150 protein similar to ubiquitin-con	2.60
	408446	AW450689	Hs.45068 hypothetical protein DKFZp434H143	2.59
	437033	AW248364	Hs.5409 RNA polymerase I subunit	2.58
75	418592	X09226	Hs.284153 Fanconi anemia, complementation group A	2.58
	415585	R59946	Hs.184852 KIAA1553 protein	2.57
	424800	AL035588	Hs.153203 MyoD family inhibitor	2.57
	428470	AA526794	Hs.128644 ESTs	2.57
	426919	AL041228	ELAV (embryonic lethal, abnormal vision,	2.56
80	421209	AJ010230	Hs.102576 ret finger protein-like 1 antisense	2.56
	437466	AA452378	Hs.146568 Homo sapiens mRNA; cDNA DKFZp547J125 (fr	2.56
	401837		NM_025109: Homo sapiens hypothetical prot	2.56
	428743	AL080060	Hs.301549 Homo sapiens mRNA; cDNA DKFZp566H172 (fr	2.56
	422809	AJ001379	Hs.121028 hypothetical protein FLJ10549	2.55

	418648	AW979223	Hs.292478	ESTs	2.55
	423020	AA383092	Hs.1608	replication protein A3 (14kD)	2.54
	430345	AK000282	Hs.239581	hypothetical protein FLJ20275	2.54
5	424075	AI807320	Hs.227630	RE1-silencing transcription factor	2.54
	428728	NM_016625	Hs.191381	hypothetical protein	2.53
	423755	AB037735	Hs.132560	hypothetical protein FLJ10312	2.52
	424051	AL110203	Hs.138411	Homo sapiens mRNA; cDNA DKFZp586J1922 (f	2.52
	416734	H81213	Hs.14825	ESTs, Weakly similar to KIAA1503 protein	2.52
10	422406	AF025441	Hs.116206	Opa-interacting protein 5	2.52
	433228	F28212	Hs.14953	KIAA1491 protein	2.51
	411943	BE502436	Hs.7962	ESTs, Weakly similar to S44608 C02F5.6 p	2.51
	426181	AA371422	Hs.334371	hypothetical protein MGC13096	2.50
	423642	AW452650	Hs.157148	hypothetical protein MGC13204	2.50
	411571	AA122393	Hs.70811	hypothetical protein FLJ20516	2.48
15	419750	AL079741	Hs.183114	Homo sapiens cDNA FLJ14236 fis, clone NT	2.48
	408209	NM_004454	Hs.43697	ets variant gene 5 (ets-related molecule	2.47
	435726	BE535787	Hs.113170	ESTs	2.47
	404068			Target Exon	2.46
20	403137			NM_005381*:Homo sapiens nucleolin (NCL),	2.46
	434276	AF123659	Hs.93605	leucine zipper, putative tumor suppressor	2.46
	422283	AW411307	Hs.114311	CDC45 (cell division cycle 45, S.cerevisiae	2.46
	429652	AA766810	Hs.259290	ESTs	2.45
	416204	AW972270	Hs.195161	ESTs	2.45
	414713	BE486243	Hs.12664	ESTs	2.44
25	426910	AA830797	Hs.184760	CCAAT-box-binding transcription factor	2.44
	408875	NM_015434	Hs.48604	DKFZP434B168 protein	2.44
	435244	N77221	Hs.167824	ESTs	2.44
	402679			NM_000478:Homo sapiens alkaline phosphat	2.43
30	413943	AW294416	Hs.144887	Homo sapiens cDNA FLJ12981 fis, clone NT	2.42
	433914	AF108138	Hs.112160	Homo sapiens DNA helicase homolog (PIF1)	2.41
	437812	AI582291	Hs.16846	ESTs, Weakly similar to O4HUD1 debrisocu	2.41
	410855	X97795	Hs.66718	RAD54 (S.cerevisiae)-like	2.41
	423232	BE244625	Hs.125742	leucine-rich neuronal protein	2.40
35	427578	AI591305	Hs.169084	ESTs, Highly similar to TUL3_HUMAN TUBBY	2.40
	409934	R91601	Hs.190466	hypothetical protein FLJ22584	2.39
	423787	AJ295745	Hs.236204	nuclear pore complex protein	2.39
	420892	AW975076	Hs.172589	nuclear phosphoprotein similar to S. car	2.39
	438869	AF075009		gb:Homo sapiens full length Insert cDNA	2.38
40	434981	AW182577	Hs.293077	ESTs	2.38
	417911	AA333387	Hs.82916	chaperonin containing TCP1, subunit 6A (	2.38
	409210	AA251812	Hs.51120	cathelicidin antimicrobial peptide	2.37
	424425	AB031480	Hs.146824	SPR1 protein	2.37
	411885	AA452636	Hs.131057	ESTs, Moderately similar to CRGD_HUMAN G	2.37
45	421567	AJ272137	Hs.198265	matrix metalloproteinase 25	2.37
	425159	NM_004341	Hs.154868	carbamoyl-phosphate synthetase 2, aspart	2.37
	418678	NM_001327	Hs.167379	cancer/testis antigen (NY-ESO-1)	2.36
	431197	AL038586	Hs.250745	polymerase (RNA) III (DNA directed) (62k	2.36
	411630	U42349	Hs.71119	Putative prostate cancer tumor suppressor	2.36
50	410858	AA199907	Hs.67397	homeo box A1	2.36
	421305	BE397354	Hs.324830	diphtheria toxin resistance protein regul	2.36
	417153	X57010	Hs.81343	collagen, type II, alpha 1 (primary oste	2.36
	412389	AW947655		gb:RCC-MT0003-140300-031-b07 MT0003 Homo	2.35
	418959	AL043202	Hs.90073	chromosome segregation 1 (yeast homolog)	2.35
55	403780			C4001759:gl|133250|sp|P19474|RC62_HUMAN	2.34
	437681	AI207968	Hs.166556	Homo sapiens, Similar to TEA domain fami	2.34
	400205			NM_006265*:Homo sapiens RAD21 (S. pombe)	2.34
	433180	AW207002	Hs.134342	TASP for testis-specific adriamycin sens	2.34
	432506	NM_002104	Hs.3095	granzyme K (serine protease, granzyme 3;	2.34
60	425331	AW962128		gb:EST374201 MAGE resequences, MAGG Homo	2.33
	430606	BE266026	Hs.31476	Homo sapiens cDNA FLJ13872 fis, clone TH	2.33
	424308	AW975531	Hs.154443	minichromosome maintenance deficient (S.	2.32
	418821	AA436002	Hs.183161	ESTs	2.32
	437437	AA226869		hypothetical protein DKFZp762L0311	2.32
65	413437	BE313164	Hs.75361	gene from NF2/meningioma region of 22q12	2.31
	425848	BE242709	Hs.159837	valyl-tRNA synthetase 2	2.30
	435532	AW291488	Hs.117305	Homo sapiens, clone IMAGE:3682908, mRNA	2.30
	430183	BE010038		gb:PM3-BN0176-100400-001-g04 BN0176 Homo	2.30
	409342	AU077058	Hs.54089	BRCA1 associated RING domain 1	2.29
	430504	H52761		Homo sapiens, clone MGC:12617, mRNA, com	2.29
70	427726	AJ359144	Hs.143668	Homo sapiens cDNA: FLJ23031 fis, clone L	2.29
	417115	AW952792	Hs.334812	small nuclear ribonucleoprotein polypept	2.28
	412721	AW183165	Hs.95600	ESTs	2.28
	404071			C1200514~gl|7302471|gb|AAF57556.1| (AE	2.27
75	413762	AW411479	Hs.848	FK506-binding protein 4 (55kD)	2.26
	425811	AL039104	Hs.159557	karyopherin alpha 2 (RAG cohort 1, impor	2.26
	424935	AI855010	Hs.120363	hypothetical protein MGC15634	2.26
	415791	H08386	Hs.78853	uracil-DNA glycosylase	2.26
	431667	AA812573	Hs.245787	ESTs	2.26
80	424169	AA336399	Hs.153797	ESTs	2.25
	436540	BE397032	Hs.14468	hypothetical protein MGC14226	2.25
	418113	AI272141	Hs.83484	SRY (sex determining region Y)-box 4	2.24
	403242			Target Exon	2.24
	414732	AW410976	Hs.77152	minichromosome maintenance deficient (S.	2.24

	421002	AF116030	Hs.100932	transcription factor 17	2.24
	438833	BE612940	Hs.88252	ESTs	2.24
	420333	AJ001383	Hs.97084	lymphocyte antigen 94 (mouse) homolog (a	2.23
5	433844	AA610175	Hs.179647	Homo sapiens cDNA FLJ12195 fis, clone MA	2.23
	427528	AU077143	Hs.179555	minichromosome maintenance deficient (S.	2.23
	430289	AK001952	Hs.238039	hypothetical protein FLJ11090	2.23
	421016	AA504583	Hs.101047	transcription factor 3 (E2A immunoglobul	2.23
	436251	BE515065	Hs.296595	nucleolar protein (KKE/D repeat)	2.23
10	418826	AK000375	Hs.86820	HDCMC28P protein	2.23
	428612	AA770001		ESTs	2.22
	433220	AI076192	Hs.131933	ESTs	2.22
	422225	BE245652	Hs.118261	zinc finger protein 266	2.22
	437549	AA759149	Hs.128757	gb:ah70e03.s1 Soares_testis_NHT Homo sap	2.22
	409299	AA045650	Hs.53125	small nuclear ribonucleoprotein D2 polyp	2.22
15	408665	T88845	Hs.112200	ESTs, Weakly similar to ALU7_HUMAN ALU S	2.22
	408118	AA251393	Hs.289052	Homo sapiens, Similar to RIKEN cDNA 5430	2.21
	420062	AW411095	Hs.94785	TGF(beta)-induced transcription factor 2	2.21
	432820	AI554057	Hs.152477	ESTs	2.21
	430255	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1551 protein,	2.21
20	420337	AW295840	Hs.14555	Homo sapiens cDNA: FLJ21513 fis, clone C	2.20
	407275	AI364186		gb:qw34h07.x1 NCL_CGAP_U4 Homo sapiens	2.20
	416209	AA236776	Hs.79078	MAD2 (mitotic arrest deficient, yeast, h	2.20
	423675	AI906009	Hs.131342	small inducible cytokine subfamily A (Cy	2.20
	433698	H24201	Hs.247423	adducin 2 (beta)	2.19
25	409101	NM_004297	Hs.50612	guanine nucleotide binding protein (G pr	2.19
	436541	AA687361	Hs.221318	ESTs	2.19
	412019	AA485890	Hs.69330	Homo sapiens cDNA FLJ13835 fis, clone TH	2.19
	418753	BE217818	Hs.87016	hypothetical protein FLJ22938	2.19
	435481	AJ075846	Hs.133995	ESTs	2.19
30	402260			NM_001436*:Homo sapiens fibrillarin (FBL	2.18
	421098	AI697901	Hs.192425	ESTs	2.18
	400587			C10000649*:g|7296574|gb|AAAF51857.1| (AE	2.18
	407832	AW976516	Hs.283707	Homo sapiens cDNA: FLJ21354 fis, clone C	2.18
35	427159	U80735	Hs.173854	PAX transcription activation domain Inte	2.17
	405770			NM_002362:Homo sapiens melanoma antigen,	2.17
	412722	AI343300	Hs.15091	ESTs	2.16
	414334	AA524258	Hs.21331	hypothetical protein FLJ10036	2.16
	438192	AI859065	Hs.293807	Homo sapiens AFG3L1 isoform 1 mRNA, part	2.16
40	417420	T85150	Hs.268814	ESTs	2.16
	421308	AA687322	Hs.192843	leucine zipper protein FKSG14	2.16
	412851	AI828502	Hs.97269	ESTs	2.16
	414702	L22005	Hs.76932	cell division cycle 34	2.16
	409670	AI358109		KIAA1855 protein	2.16
45	419926	AW500992	Hs.93795	DKFZP586O2223 protein	2.15
	417863	AB000450	Hs.82771	vaccinia related kinase 2	2.15
	434750	BE019254	Hs.4112	t-complex 1	2.15
	410262	AW821182	Hs.61418	microfibrillar-associated protein 1	2.15
	418574	N28754		M-phase phosphoprotein 9	2.15
50	409019	AW385412		myosin regulatory light chain 2, smooth	2.15
	416508	R11499	Hs.189716	ESTs	2.14
	436027	AI864053	Hs.39972	ESTs, Weakly similar to 138588 reverse t	2.14
	408161	AW952912	Hs.300383	hypothetical protein MGC3032	2.13
	422805	AA436889	Hs.121017	H2A histone family, member A	2.13
55	410284	U50839	Hs.61828	amyloid beta precursor protein-binding p	2.13
	434274	AA628539	Hs.116252	ESTs, Moderately similar to ALU1_HUMAN A	2.12
	430935	AW072916		zinc finger protein 131 (clone pHZ-10)	2.12
	433252	AB040957	Hs.151343	KIAA1524 protein	2.12
	416819	U77735	Hs.80205	plm-2 oncogene	2.12
60	437218	AL117497	Hs.58185	ESTs, Weakly similar to T42727 prolifera	2.12
	407239	AA076350	Hs.67646	leukocyte immunoglobulin-like receptor,	2.12
	433947	AA927998	Hs.112876	ESTs, Weakly similar to AF129535 1 F-box	2.11
	424727	AW690378	Hs.152519	hypothetical protein FLJ20574	2.11
	435703	AW630133	Hs.83313	GK003 protein	2.11
65	420297	AI628272	Hs.88323	ESTs, Weakly similar to ALU1_HUMAN ALU S	2.11
	422192	AA305159	Hs.113019	fls465	2.11
	407961	AW672939	Hs.41694	origin recognition complex, subunit 2 (y	2.10
	410183	AJ132692	Hs.59757	zinc finger protein 281	2.10
	414151	AW976468	Hs.257245	ESTs	2.10
70	434789	AW292515	Hs.194317	ESTs, Weakly similar to T08680 hypotheti	2.10
	424196	AL133660	Hs.142926	Homo sapiens beta cysteine string protei	2.10
	408831	AF090114	Hs.48433	endocrine regulator	2.10
	414733	BE514535	Hs.77171	minichromosome maintenance deficient (S.	2.09
	434523	AA703709	Hs.23410	translocase of inner mitochondrial membr	2.09
75	409537	AA323948	Hs.55407	Homo sapiens mRNA; cDNA DKFZp434K0621 (f	2.09
	403532			NM_024638:Homo sapiens hypothetical prot	2.09
	432141	BE410954	Hs.272736	nuclear receptor binding protein	2.08
	409014	H83115	Hs.49760	origin recognition complex, subunit 6 (y	2.08
	410575	BE207480	Hs.6994	Homo sapiens cDNA: FLJ22044 fis, clone H	2.08
	415071	AK002197	Hs.284270	Homo sapiens cDNA FLJ11335 fis, clone PL	2.08
80	418755	Y14443	Hs.88219	zinc finger protein 200	2.08
	406137			NM_000179*:Homo sapiens mutS (E. coli) h	2.07
	409893	AW247090	Hs.57101	minichromosome maintenance deficient (S.	2.07
	421413	AI826128	Hs.55209	ESTs, Weakly similar to A49364 59 protei	2.07

5	434283	AW235341	Hs.58715	thiamine pyrophosphokinase	2.07
	417230	U40998	Hs.81728	unc119 (C.elegans) homolog	2.07
	425966	NM_001761	Hs.1973	cyclin F	2.07
	431393	AW971493	Hs.134269	ESTs, Highly similar to cytokine recepto	2.06
	407162	N63855	Hs.142634	zinc finger protein	2.06
10	422382	D79988	Hs.115778	KIAA0166 gene product	2.06
	402677		NM_000478	Homo sapiens alkaline phosphat	2.06
	433017	Y15067	Hs.279914	zinc finger protein 232	2.05
	424677	U09414		zinc finger protein 137 (clone pHZ-30)	2.05
	418863	BE387036	Hs.1211	acid phosphatase 5, tartrate resistant	2.05
15	424959	NM_005781	Hs.153937	activated p21cdc42Hs kinase	2.05
	402678			Target Exon	2.05
	408146	R45621	Hs.81057	hypothetical protein MGC2718	2.05
	420027	AF009746	Hs.94395	ATP-binding cassette, sub-family D (ALD)	2.04
	427447	T65414	Hs.6647	Homo sapiens cDNA FLJ13088 fls, clone NT	2.04
20	433219	AB040916	Hs.24106	KIAA1483 protein	2.04
	431126	AF085243	Hs.283619	zinc finger protein 236	2.04
	407136	T64896	Hs.287420	Homo sapiens cDNA FLJ11533 fls, clone HE	2.04
	419689	AJ007041	Hs.92236	KIAA0304 gene product	2.04
	419594	AA013051	Hs.91417	topoisomerase (DNA) II binding protein	2.03
25	426242	AL086727	Hs.168249	Homo sapiens mRNA; cDNA DKFZp434B104 (fr	2.02
	432185	AA221032	Hs.272838	hypothetical protein FLJ10494	2.02
	437108	AA434054	Hs.80624	hypothetical protein MGC2560	2.02
	408636	BE294925	Hs.46680	CGI-12 protein	2.02
	420005	AW271106	Hs.133294	ESTs	2.02
30	412783	BE278738	Hs.74578	DEAD/H (Asp-Glu-Ala-Asp/His) box polypep	2.02
	415319	AA659823	Hs.34955	Homo sapiens cDNA FLJ13485 fls, clone PL	2.02
	425358	AL079658	Hs.338207	FK508 binding protein 12-rapamycin assoc	2.01
	409617	BE003760	Hs.55209	Homo sapiens mRNA; cDNA DKFZp434K0514 (f	2.01
	438450	AJ050866	Hs.65853	nodal, mouse, homolog	2.00
35	431629	AJ077025	Hs.265827	interferon, alpha-inducible protein (clo	2.00
	424934	U75370	Hs.153880	polymerase (RNA) mitochondrial (DNA dire	2.00
	436291	BE588452	Hs.344037	protein regulator of cytokinesis 1	2.00
	414251	AL042306	Hs.97689	VASA protein	2.00

TABLE 51B

Key: Unique Ecos probe/identifier number

CAT number: Gene cluster number

Accession: Genbank accession numbers

Key	CAT Number	Accession
40	432666	144_7
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	418477	4172_1
	436812	659779_1
	436899	1000797_1
50	437421	978554_1
	430676	60836_2
	427521	513212_1
	436909	596835_1
	429228	215430_1
55	435614	132288_1
	422689	874209_1
	421974	864120_1
	414136	30243_1
	417888	1031334_1
60	418235	886897_1
	414725	19377_1
	434809	14739_1
	408055	101981_1
	412537	14056_1
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	433641	35983_1
	424281	692055_1
	436812	659779_1
	436899	1000797_1
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	430676	60836_2
	427521	513212_1
	436909	596835_1
	429228	215430_1
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	414136	30243_1
	417888	1031334_1
80	418235	886897_1
	414725	19377_1
	434809	14739_1
	408055	101981_1
	412537	14056_1

5	427298	115241_1	AA933717 BF061897 AW628327 AA641788 AA400495
	420218	191547_1	AW958037 R42557 AJ337047 AA948360 AJ638005 AA459950 AJ624915 AJ638047 AJ467856 AJ521826 AA860305 AJ932315 AW003092 AW271756
	418049	12052_4	AW779380 AA609879 AJ634791 AJ493770 AJ565211 Z41145 AJ627952 AA303734 BE349457 AW196765 AA256527 BE089727
	433023	3970_8	AJ314647 NM_052888 BJ494693 AA835065 AJ634477 AJ336678 AJ807696 BF477887 AJ701147 Z39187 R38979 F02234 AA984711 BI222234
	418866	245947_1	AV731417 R42406 H04996 T98498 R12489 R12577 R42405
10	427239	20459_2	BE999967 BF438599 AW864793 AJ802899 BE815132 AW468888 AJ672189 AJ052004 BF112024 AA772335 AW275054 AA573845 AJ144148
			AJ968683 AA846676 AA927355 H80424 AW973295 R88209 F29868 BE928871
			T65754 AA229658 AA229857
			AL532360 BE794750 AA582906 AJ015067 AW271034 BG271636 AW075177 AW071374 AJ345565 AJ307208 BE138953 BE049086 AJ334881
			AW075006 AW075181 AA464019 AW302733 AW075100 AW073433 AJ802854 AJ334909 AJ802853 AJ345038 AJ348921 AJ340734 AJ307478
15			AJ251289 AW302327 AW072520 AJ312145 AW073656 AW072513 AW071289 AJ307559 AA876186 T29587 AJ307493 AJ250508 AJ252868 AJ252839
			AW074809 AJ252926 AJ252160 AJ251662 AJ251262 AJ610913 AJ270787 AJ270156 AJ252075 AW073469 AW072901 AW072496 AW071420
			AJ305762 AJ254764 AJ802837 AJ251264 AW073049 AW071311 AJ340643 BE138965 BE138502 AW073456 AJ334733 AJ054335 BE139260
			AJ054302 AJ054060 AJ054057 AJ053722 AJ288711 BE139228 AW470478 AW271039 AW302085 BE041872 AJ254494 AJ271496 AJ252427
			BF18773 BF718645 AW074866 BE857822
20	437834	294580_1	BG110129 AW749287 BE535498 AW749299 AW749293 AW749302 AW749298 AW749291 AW749294 AW749289 AW749288 AW749296
			AW769284 AW749297 AW749295 AW749292 BE002573
	438243	2532601_1	AJ581311 AA781682 AA781678
	410704	1054673_1	AW877458 AW877524 BE076922 BE166912 AW840534 BE076754 AW797829 BE166905 BE166926 AW877462 BE166927 BE166932 AW877523
			BE166917 AW877529 BE166928 BF351394 AW877522 AW877528 BE166861 BE166866 BE166913 BE166919 AW877456 AW877537 BE076866
25			AW840571
	430958	1237115_1	AW972830 AA489820 AA527647 AA570362
	427260	11272_50	AA401424 AA400100 AA663846
	433979	2076469_1	N50454 AA620999 T18376
	426919	347372_1	BJ917595 AJ203314 AL041226 AV727959 D61361 D82004 BJ753157 AA961066 AJ990307 BF439661 AJ453076 AJ376075 AJ014836 AJ018308
30			AW183630 AA393346 AA935601 AA628633 AJ150282 AJ028574 AJ217182 AA431478 AW087473 AW900295 H50055 AL041229 BJ917726
	438859	52134_1	AF075009 R63109 R63068
	412389	1174403_1	AW947655 AW984020
	400206	2538_1	NM_006265 D38551 X98294 BM477931 BM461566 AU123557 AU133303 AU134649 AW500421 BM172439 AW500587 AW503865 AW504355
			AW503640 BM152454 AW506280 AJ815984 AW504075 AW500716 AL597310 BC001229 BM474371 AA984202 AU136205 BE090841 AW163750
35			BF747730 BF898637 AJ206506 AV660870 AV692110 AW386830 AV656831 N84710 AW993470 BF088002 BF758454 BG960772 BF757769
			BJ870853 BE018627 C75436 AW148744 BF757753 BG622067 BE099924 AA708208 BG530266 BF968015 AW992930 BF888862 BG536828
			AA143164 AW748953 BG498922 BF885190 BF899005 BF754781 BF800003 BM476529 AJ627668 AW028126 AL046011 BF590668 AJ017447
			AA579936 AJ367597 AA699622 BE280597 AH24620 AJ082548 AW274985 AA677870 AJ055767 BE551689 AA287842 H94499 AJ752427 AJ652365
			AW002374 AW062651 AA360834 N68822 AJ135442 AU125960 Z78334 BE545813 AJ082115 BF312771 BF242859 BG533616 BG533761
40			BG164745 BG482433 BM473183 AA172043 AA172069 AU157092 AU151353 AU155318 BE302211 AJ375022 AA085641 AU157923 H88858
			AA132730 AA115113 AA909781 AJ475256 AA424206 AW572383 AW084296 AJ184820 AJ469178 AA782432 H92184 AA340562 BF195813
			AA852821 AW576342 AA827107 AA173317 AW190014 AJ918514 AA729372 AA729718 AJ055958 AA331424 BE328601 AA515890 BJ018896
			AW628277 AA748368 AA626222 BG492636 AW380620 BF800058 AW370956 AA290909 R25857 BG952895 BF801437 AA172077 AU155890
			AJ149783 AJ720804 AA902936 AA865727 AJ70830 AV740677 AA142882 AA482485 AU145485 AW576399 AU156042 R63448 BF246427
45			BE928472 D25910 BF758439 BF968785 BE565238 AA355981 AJ905607 BG291148 BG533096 BG532888 BF030886 BG813756 BE928471
			BG574501 AA187596 AA361196 T95557 BG531446 BG527242 BG527513 BG611106 AA085995 BF847252 BG024608 BE540261 BG531236
			AL579993 BG108733 BG483503 BG571032 BG492505
	425331	1227464_1	AA427363 AW962128 AA335533
	437437	6087_1	BC009352 BC014630 AU131857 AL572140 AU131768 BJ769362 BE753220 AU129886 AU128771 AA314135 AU126819 AJ333799 AA479336
50			AA258503 AL597351 AL359619 BG697218 BJ254283 AJ743846 AA236444 AA397533 AA247450 AJ051464 AJ224533 AU153442 AU151001
			AJ152621 AU151829 AU153069 AW269958 AJ154195 AJ862764 AJ589780 AW273839 AJ338155 AJ126632 BE046048 AA976930 AJ289304
			AJ825961 AJ222288 AJ280064 AA973329 AJ524262 AJ242371 AA286517 AJ567865 AJ590681 AJ346616 AW247913 AJ422051 AJ147532 AJ689531
			AW469308 AW198034 AA936939 AU151059 AU148134 AA486419 AU151953 AJ830968 BJ493265 BJ483264 AU148861 BE268763 AV763495
			AW962827 BM480300 AA226869 AL529368 BM451957 AU132714 BJ871319 AA380739 BJ911351 BF795906 BE548853 AW579751
55	430183	17316_1	AK055746 AA039909 BE183282 W80721 AA648867 AA398985 T67280 BF985651 AJ675065 BG001051 BF764727 BF768707 BF764717 BF764852
			BF173139 BE010038
	430504	5477_8	BE219720 BF475241 AJ571723 BE219848 BJ89268 AJ24899 AA724864 AW771467 AA480256 AW845616 AJ440295 H52800 BE218790 AJ681575
	428612	1383189_1	AW300064 AW262133 H21568 AJ363015 AJ084914 H86948
	409670	8892_8	AA770001 AA431112 AA432126
60			AJ625045 AW504152 AJ469086 AA905873 AW504862 AW136114 AJ927270 BE041754 AJ648386 AA662655 AA400052 AJ143501 AJ744934
	418574	12009_2	AJ00147 AJ381657 AA676551 AA974367 AW117437 AJ570383 AJ242456 AJ274581 AA678138 R49939 AJ393928 AA345854 AW605850 AJ689780
	409019	32320_4	AW391171 R77044
			AW955043 AJ990326 AA776406 AJ016250 AW451882 AA843678 BF916900 AW945895 AJ979339 N23129 W00051 AA322672 N23137
			BM480413 N28908 H39792 BE240826 BE882093 BE240827 AW868637 BF739795 AA700834 AA769597 AA489668 AW968805 AW085198
65	430935	15297_3	AJ093280 AJ218457 AA063138 AJ632958 AW515005 AJ570530 Z41724 AA748789 AJ696684 AA082544 AA773643 AA490265
			BC017923 AA789302 AW466994 BF513878 AJ818842 AJ184913 AW468044 AJ220572 AW072916 AJ280239 AJ73611 AW841126 D60937
			AA489195 N59350 AA693435 BG531204 AA484243 AW514032
	424677	2518_37	U09414 NM_003438 AA503545 AJ022449 AA043458 AA768074 AA765442 AA805052 AJ028211 AW609708

TABLE 51C

Pkey:

Ref:

Strand:

Nt_position:

Unique number corresponding to an Eos probe set

Sequence source. The 7 digit numbers in this column are Genbank Identifier (GI) numbers. "Dunham, et al." refers to the publication entitled "The DNA sequence of human chromosome 22" Dunham, et al. (1989) Nature 402:489-495.

Indicates DNA strand from which exons were predicted.

Indicates nucleotide positions of predicted exons.

75	Pkey	Ref	Strand	Nt_position
	406547	7711513	Minus	172780-174358
	402145	8018280	Plus	113086-114600
	402189	8576116	Minus	84187-84744
	401435	8217934	Minus	54508-55233
80	402408	9795239	Minus	110326-110491
	406367	9256126	Minus	58313-58489
	402880	8113438	Plus	137634-137768, 139702-139893, 140475-14059
	402259	6693370	Plus	23387-25175
	401091	9958240	Plus	94760-94898

5	401464	6682291	Minus	170688-170834
	403969	8569909	Plus	31237-31375,32405-32506
	401837	7630990	Minus	120993-121095,121660-121729
	404068	3168621	Minus	18123-18766
	403137	9211494	Minus	92349-92572,92958-93084,93579-93712,9394
10	402679	8113438	Plus	132079-132216
	403780	8076989	Plus	93160-93409
	404071	7210053	Minus	167354-167859,168810-168920,169000-16910
	403242	7637817	Minus	11297-12511
	402260	3399665	Minus	113765-113910,115853-115765,116808-11694
15	400587	9887626	Plus	25435-25588,25668-25747
	405770	2735037	Plus	61057-62076
	403532	8076842	Minus	81750-81901
	406137	9166422	Minus	30487-31058
	402677	8113438	Plus	22135-22309,23063-23238
20	402678	8113438	Plus	37395-37514,37866-37981

TABLE 52A:

Pkey: Unique Eos probeset identifier number
 ExAccn: Exemplar Accession number, Genbank accession number
 UnigenID: Unigene number
 Unigen Title: Unigene gene title
 R1: Ratio of testicular cancer (non-seminomatous and Seminomatous) compared to normal adult testicular tissues

	Pkey	ExAccn	UnigenID	Unigene Title	R1
30	414438	AI879277	Hs.76136	thioredoxin	61.77
	424247	X14008	Hs.234734	lysosyme (renal amyloidosis)	49.93
	416680	AW245540	Hs.79516	brain abundant, membrane attached signal	49.20
	412948	BE243313	Hs.334851	LM and SH3 protein 1	44.46
	438091	AW373062		nuclear receptor subfamily 1, group 1, m	40.70
35	406658	AI920965	Hs.77951	major histocompatibility complex, class	39.64
	418174	L20688	Hs.83656	Rho GDP dissociation inhibitor (GDI) bet	38.70
	409038	T97490	Hs.50002	small inducible cytokine subfamily A (Cy	38.25
	413063	AL036737	Hs.75184	chitinase 3-like 1 (cartilage glycoprote	37.50
	430642	AI557486	Hs.119122	ribosomal protein L13a	37.22
40	428928	BE409838	Hs.194657	cadherin 1, type 1, E-cadherin (epitheli	35.98
	432730	AI068520	Hs.131358	ESTs	35.25
	444562	AA186715	Hs.336429	RIKEN cDNA 913042Z19 gene	31.69
	446525	AW967069	Hs.211558	hypothetical protein MGC5487	31.33
	417088	M54915	Hs.81170	pim-1 oncogene	31.20
45	416870	AF147204	Hs.89414	chemokine (C-X-C motif), receptor 4 (fus	29.93
	433800	AI034361	Hs.135150	lung type-I cell membrane-associated gly	29.35
	426295	AW367283		zinc finger protein 6 (CMPX1)	29.32
	406856	AW515336	Hs.29797	ribosomal protein L10	28.93
	417139	M69043	Hs.81328	nuclear factor of kappa light polypeptid	27.99
50	440207	AI371978	Hs.128326	ESTs	27.75
	422578	AF239686	Hs.1545	caudal type homeo box transcription fact	26.95
	432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10228 fis, clone HE	26.90
	420367	AA268080	Hs.257028	ESTs	26.50
	429978	AA249027		ribosomal protein S6	26.43
55	440440	Z28925	Hs.7188	sema domain, immunoglobulin domain (Ig),	26.36
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	26.23
	412636	NM_004415		desmoplakin (DPI, DPII)	26.16
	436538	AB011540	Hs.4930	low density lipoprotein receptor-related	25.25
	446699	NM_005397	Hs.16426	podocalyxin-like	25.25
60	442562	BE379584		dolichyl-diphosphooligosaccharide-prote	25.15
	406866	M16714	Hs.89643	major histocompatibility complex, class	25.13
	446619	AI076643	Hs.313	secreted phosphoprotein 1 (osteopontin,	24.78
	423961	D13666	Hs.136348	perlestin(OSF-2os)	24.48
	425643	R23313	Hs.334895	ribosomal protein L10a	24.38
65	420676	AI434780	Hs.4248	vav 2 oncogene	24.18
	406820	AI223968	Hs.108124	ribosomal protein S4, X-linked	23.96
	440869	NM_014297	Hs.7486	protein expressed in thyroid	23.80
	447526	AL048753	Hs.303849	small inducible cytokine A2 (monocyte ch	23.56
	414587	NM_004882	Hs.76507	LPS-induced TNF-alpha factor	23.22
70	446527	AI973016	Hs.15725	hypothetical protein SBB148	22.93
	449571	AW016812	Hs.200266	ESTs	22.83
	413787	AI352558		tyrosine 3-monooxygenase/tryptophan 5-mo	22.81
	410315	AI638871	Hs.17625	Homo sapiens cDNA: FLJ22524 fis, clone H	22.68
	414092	Z14244	Hs.75752	cytochrome c oxidase subunit VIII	22.45
75	422714	AB018335	Hs.119387	KIAA0792 gene product	22.45
	439180	AI393742	Hs.199087	v-erb-b2 avian erythroblastic leukemia v	22.30
	444784	D12485	Hs.11951	ectonucleotide pyrophosphatase/phosphodi	21.69
	406848	AA563730	Hs.277477	major histocompatibility complex, class	21.58
	448688	AI870276	Hs.156905	KIAA1676	21.23
80	433423	BE407127	Hs.8997	heat shock 70kD protein 1A	21.19
	429490	AI971131	Hs.23889	ESTs, Weakly similar to ALU7_HUMAN ALU S	20.70
	432906	NM_002104	Hs.3086	granzyme K (serine protease, granzyme 3;	20.60
	407862	BE548267	Hs.337986	Homo sapiens cDNA FLJ10934 fis, clone OV	20.57

5	420754	W79431	Hs.346911	ribosomal protein L22	20.40
	425769	U72513	Hs.159486	Human RPL13-2 pseudogene mRNA, complete	20.15
	424800	AL036588	Hs.153203	MyoD family inhibitor	20.10
	412915	AW087727	Hs.74823	NM_004541: Homo sapiens NADH dehydrogenase	20.01
	452322	BE566343	Hs.28988	glutaredoxin (thioltransferase)	19.89
	410143	AA188169		KIAA1191 protein	19.41
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	19.08
	430253	AK001514	Hs.236844	hypothetical protein FLJ10652	19.03
10	425535	AB007937	Hs.158287	KIAA0468 gene product	18.78
	411573	AB029000	Hs.70823	KIAA1077 protein	18.63
	452874	AK001081	Hs.30925	hypothetical protein FLJ10199	18.53
	408669	AM93591	Hs.78146	platelet/endothelial cell adhesion molec	18.52
	421379	Y15221	Hs.103962	small inducible cytokine subfamily B (Cy	18.50
15	426083	AW962712	Hs.126712	ESTs, Weakly similar to AF191020.1 E2IG5	18.50
	429183	AB014804	Hs.197955	KIAA0704 protein	18.48
	450000	AI952797	Hs.10888	hypothetical protein FLJ21709	18.44
	450377	AB033091		KIAA1265 protein	18.40
	430255	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1551 protein,	18.15
20	440528	BE313655	Hs.7252	KIAA1224 protein	18.05
	444381	BE387335	Hs.283713	ESTs, Weakly similar to S64054 hypotheti	17.98
	420028	AB014880	Hs.8786	carbohydrate (N-acetylglucosamine-6-C) s	17.80
	414682	AL021154	Hs.76884	inhibitor of DNA binding 3, dominant neg	17.75
	428782	X12830	Hs.193400	Interleukin 6 receptor	17.48
25	415221	W07418	Hs.78225	annexin A1	17.47
	429614	AI371172	Hs.211539	hypothetical protein MGC4248	17.40
	418707	U97502	Hs.87497	butyrophilin, subfamily 3, member A2	17.30
	412025	AI827461	Hs.24143	Wiskott-Aldrich syndrome protein interac	17.14
	417407	AA823278	Hs.290906	ESTs, Weakly similar to protease [H.sapi]	17.13
30	424326	NM_014479	Hs.145296	ADAM-like disintegrin protease, decysin	17.10
	448921	AB012113	Hs.16530	small inducible cytokine subfamily A (Cy	17.03
	425996	W67330		hypothetical protein AL110115	16.98
	402474			NM_004079: Homo sapiens cathepsin S [CTSS	16.98
	450937	R49131	Hs.26257	ATP-dependant interferon response protei	16.98
35	427521	AW973352		ESTs	16.93
	421181	NM_005574	Hs.184585	UIM domain only 2 (thrombosin-like 1)	16.93
	443523	AK001575	Hs.9536	hypothetical protein FLJ10713	16.53
	449338	H73444	Hs.394	adrenomedullin	16.36
40	429469	M64590	Hs.27	glycine dehydrogenase (decarboxylating;	16.23
	425945	AW410569	Hs.164280	solute carrier family 25 (mitochondrial	16.21
	430332	R51790	Hs.239483	Human clone Z3833 mRNA sequence	16.15
	427691	AW194426	Hs.20726	ESTs	16.13
	406786	AW161678	Hs.111334	femitin, light polypeptide	16.11
	431639	AK000680	Hs.266175	phosphoprotein associated with GEMs	16.10
45	451106	BE382701	Hs.25960	N-MYC oncogene	16.09
	408360	AF123050	Hs.44532	diubiquitin	16.00
	445863	R12234	Hs.13396	Homo sapiens clone 25028 mRNA sequence	15.93
	456236	AF045229	Hs.82280	regulator of G-protein signalling 10	15.70
	406791	AI220684	Hs.347939	hemoglobin, alpha 2	15.69
50	414020	NM_002984	Hs.75703	small inducible cytokine A4 (homologous	15.64
	440273	AI805392	Hs.325335	Homo sapiens cDNA: FLJ23523 fis, clone L	15.55
	417640	D30857	Hs.82353	protein C receptor, endothelial (EPCR)	15.55
	446108	AL036596	Hs.42322	A kinase (PRKA) anchor protein 2	15.53
	410185	BE294068	Hs.737	immediate early protein	15.49
55	422105	AI929700	Hs.111680	endosulfine alpha	15.23
	415899	X78992	Hs.78909	butyrate response factor 2 (EGF-response	15.23
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	15.05
	427820	BE222494	Hs.180919	Inhibitor of DNA binding 2, dominant neg	15.02
	426552	BE297860	Hs.170329	moesin	14.96
60	422241	Y00062	Hs.170121	protein tyrosine phosphatase, receptor t	14.88
	436860	H12751	Hs.5327	PRO1914 protein	14.85
	418509	AB028824	Hs.85539	ATP synthase, H transporting, mitochondr	14.84
	444060	AA340277		Homo sapiens cDNA FLJ20167 fis, clone CO	14.78
	412623	R28898	Hs.74170	metallothionein 1E (functional)	14.70
65	408989	AW361866	Hs.49500	KIAA0746 protein	14.53
	425234	AW152225	Hs.165908	ESTs, Weakly similar to I38022 hypotheti	14.48
	417144	AA382104	Hs.81337	lectin, galactoside-binding, soluble, 9	14.31
	410325	AB023154	Hs.62264	KIAA0937 protein	14.23
	415938	BE383507	Hs.78921	A kinase (PRKA) anchor protein 1	14.20
70	433412	AV863729	Hs.8185	CGI-44 protein; sulfide dehydrogenase II	14.19
	418151	AA864238	Hs.83583	actin related protein 2/3 complex, subun	14.18
	426996	AW568934	Hs.173108	Homo sapiens cDNA: FLJ21897 fis, clone H	14.13
	447211	AL181961	Hs.17767	KIAA1564 protein	14.08
	417426	NM_002291	Hs.82124	laminin, beta 1	14.08
75	414420	AA043424	Hs.76095	immediate early response 3	14.04
	444051	N48373	Hs.10247	activated leucocyte cell adhesion molecu	14.02
	454413	AI853672	Hs.40092	PNAS-123	13.93
	452651	AI218918	Hs.30209	KIAA0854 protein	13.86
	450581	AF081513	Hs.25195	TGF-beta 4	13.85
80	420962	NM_005804	Hs.100602	MAD (mothers against decapentaplegic, Dr	13.78
	407112	AA070801	Hs.51615	ESTs, Weakly similar to ALU7_HUMAN ALU S	13.63
	410598	AI817130	Hs.9195	Homo sapiens cDNA FLJ13698 fis, clone PL	13.59
	428664	AK001666	Hs.189095	similar to GALL1 (sal (Drosophila))-like	13.57
	448412	AI219083	Hs.42532	ESTs, Moderately similar to ALU8_HUMAN A	13.53

5	430268	AK000737	Hs.237480	hypothetical protein FLJ20730	13.43
	445055	BE512856	Hs.109061	SH3 domain binding glutamic acid-rich pr	13.41
	447534	AW953935	Hs.288655	ESTs	13.33
	408822	AW500715	Hs.57079	Homo sapiens cDNA FLJ13267 fis, clone OV	13.31
	428065	AI634046	Hs.157313	ESTs	13.30
10	425288	AW139342	Hs.155530	interferon, gamma-inducible protein 16	13.28
	436398	HB7136	Hs.5174	ribosomal protein S17	13.18
	453856	AA804788	Hs.19447	PDZ-LIM protein mystique	12.93
	452436	BE077546	Hs.31447	ESTs, Moderately similar to A46010 X-lin	12.90
	445817	NM_003642	Hs.13340	histone acetyltransferase 1	12.80
15	408437	AW957744	Hs.278468	lacrimal proline rich protein	12.80
	435522	N64214	Hs.9774	synovial sarcoma translocation gene on c	12.89
	415857	AA866115	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	12.83
	406743	AA911688	Hs.279860	tumor protein, translationally-controlled	12.79
	407951	W77762	Hs.79015	antigen identified by monoclonal antibod	12.78
20	435080	AI831760	Hs.165111	hypothetical protein FLJ14428	12.75
	418299	AA279530	Hs.83958	integrin, beta 2 (antigen CD18 (p95), ly	12.73
	430630	AW269920	Hs.2621	cystatin A (steifin A)	12.68
	409208	Y00093		integrin, alpha X (antigen CD11C (p150),	12.65
	422511	AU076442	Hs.117938	collagen, type XVII, alpha 1	12.50
25	438915	AA280174	Hs.285681	Williams-Beuven syndrome chromosome regi	12.48
	437374	AL359671	Hs.44054	nineln (GSK33 interacting protein)	12.43
	433793	AW975959	Hs.107513	ESTs, Moderately similar to KIAA1058 pro	12.43
	409563	AA133590	Hs.250857	calcium/calmodulin-dependent protein kin	12.41
	412247	AF022375	Hs.73793	vascular endothelial growth factor	12.41
30	413497	BE177861		gb:RC1-HT0598-020300-011-h02 HT0598 Homo	12.40
	436876	AI124756	Hs.5337	isocitrate dehydrogenase 2 (NADP), mitoc	12.38
	432409	AA806538	Hs.130732	KIAA1575 protein	12.33
	463020	AL162039	Hs.31422	Homo sapiens mRNA; cDNA DKFZp434M229 (fr	12.33
	419384	AA490856	Hs.39429	ESTs	12.33
35	410275	U85658	Hs.81796	transcription factor AP-2 gamma (activat	12.32
	432805	X94630	Hs.3107	CD97 antigen	12.32
	416975	NM_004131	Hs.1051	granzyme B (granzyme 2, cytotoxic T-lymp	12.25
	450719	AI068837	Hs.21349	ESTs, Weakly similar to RB88_HUMAN RAS-R	12.13
	423753	Y11312	Hs.132463	phosphoinositide-3-kinase, class 2, beta	12.12
40	418460	M26315	Hs.85268	CD8 antigen, alpha polypeptide (p32)	12.03
	402145			Target Exon	12.01
	407179	AA206465		thymosin, beta 4, X chromosome	12.00
	433208	AW002834	Hs.24095	ESTs	11.95
	447735	AA775268	Hs.6127	Homo sapiens cDNA: FLJ23020 fis, clone L	11.90
45	408912	AB011084	Hs.48924	KIAA0512 gene product; ALEX2	11.83
	422068	AI807519	Hs.104520	Homo sapiens cDNA FLJ13694 fis, clone PL	11.75
	431427	AK000401	Hs.252748	Homo sapiens cDNA FLJ20394 fis, clone KA	11.75
	427781	AA412205	Hs.140966	ESTs	11.68
	449246	AW411209	Hs.23363	hypothetical protein FLJ10983	11.58
50	436075	BE060170	Hs.179902	transporter-like protein	11.50
	440774	AI420611	Hs.153934	ESTs	11.35
	430594	AK000790	Hs.246885	hypothetical protein FLJ20783	11.25
	419223	X60111	Hs.1244	CD9 antigen (p24)	11.08
	424528	AW073971	Hs.238954	ESTs, Weakly similar to KIAA1204 protein	11.08
55	444656	AI277924	Hs.145199	ESTs	10.98
	420943	AI718702	Hs.279930	major histocompatibility complex, class	10.96
	450294	H42587	Hs.238730	hypothetical protein MGC10823	10.92
	413688	AI469213	Hs.71404	ESTs	10.83
	405701	AA780613	Hs.62954	ferritin, heavy polypeptide 1	10.78
60	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	10.75
	407252	AA659037	Hs.183780	ESTs	10.75
	445929	AI089660	Hs.323401	dpy-30-like protein	10.70
	451864	N20370	Hs.69547	ESTs	10.69
	429307	AU076592	Hs.198951	jun B proto-oncogene	10.64
65	434280	BE005398		gb:CM1-BN0116-150400-189-h02 BN0116 Homo	10.63
	447519	U46258	Hs.339565	ESTs	10.63
	417365	D50683	Hs.82028	transforming growth factor, beta recepto	10.59
	418945	BE246762	Hs.89499	arachidonate 5-lipoxygenase	10.55
	405776	T16205	Hs.237164	ESTs, Highly similar to LDHH_HUMAN L-LAC	10.54
70	437103	AW139408	Hs.152940	ESTs	10.50
	449961	AW269634	Hs.133100	ESTs	10.50
	441244	BE912835	Hs.184052	PP1201 protein	10.49
	450139	AK001836		serum/glucocorticoid regulated kinase	10.48
	427202	BE272922	Hs.173936	Interleukin 10 receptor, beta	10.48
75	449944	AF290512	Hs.58215	Homo sapiens, Similar to rhotekin, clone	10.47
	446682	AW205632	Hs.211198	ESTs	10.43
	413886	AW958264	Hs.103832	similar to yeast Upt3, variant B	10.43
	430068	AA484984		gb:zx80f10.s1 Soares ovary tumor NbHOT H	10.40
	424850	AA602917	Hs.156974	ESTs	10.40
80	434442	AA737415		ESTs	10.33
	438089	W05391		nuclear receptor subfamily 1, group I, m	10.33
	432559	AW452948	Hs.257631	ESTs	10.30
	414191	AW250089	Hs.75807	PDZ and LIM domain 1 (elfin)	10.30
	434649	AA738254	Hs.165390	ESTs, Highly similar to A40350 transcrip	10.28
	424321	W74048	Hs.1765	lymphocyte-specific protein tyrosine kin	10.27
	452568	AA805534	Hs.300870	Homo sapiens mRNA; cDNA DKFZp547M072 (fr	10.27
	419490	NM_006144	Hs.90708	granzyme A (granzyme 1, cytotoxic T-lymp	10.23

	445245	AB032973	Hs.12461	LCHN protein	10.18
	446488	AB037782	Hs.15119	KIAA1361 protein	10.15
	410611	AW054134	Hs.20924	KIAA1628 protein	10.15
5	425875	AU077333	Hs.160483	erythrocyte membrane protein band 7.2 (s	10.14
	416926	H03109	Hs.263395	HT018 protein	10.07
	420225	AW243046	Hs.282076	Homo sapiens mRNA for KIAA1650 protein,	10.05
	445577	N40696	Hs.137064	cytoplasmic polyadenylation element bind	10.04
	411975	AI916058	Hs.144583	ESTs	10.03
10	447644	AW061622	Hs.108646	Homo sapiens cDNA FLJ14934 fis, clone PL	10.00
	408784	AW971350	Hs.63386	ESTs	9.95
	444795	AI193356	Hs.160316	ESTs	9.93
	407110	AA018042	Hs.252085	Prader-Willi/Angelman syndrome-5	9.90
	400440	X63957	Hs.83870	nebulin	9.90
	414829	AA321568	Hs.77435	pleckstrin	9.88
15	427711	M31669	Hs.180408	solute carrier family 25 (mitochondrial	9.88
	426827	AW067805	Hs.172685	methylene tetrahydrofolate dehydrogenase	9.85
	456362	AW973003	Hs.179908	hypothetical protein FLJ22995	9.83
	446795	AI797713	Hs.158471	ESTs	9.78
20	424201	L33075	Hs.1742	IQ motif containing GTPase activating pr	9.67
	422627	BE336857	Hs.118787	transforming growth factor, beta-induced	9.65
	419904	AA974411	Hs.18672	ESTs	9.63
	451129	BE072881		gb:RC2-BT0548-200300-012-c09 BT0548 Homo	9.63
	414405	AI362533		KIAA305 protein	9.59
25	418840	AI821614	Hs.185831	ESTs	9.53
	453716	AA037675	Hs.152875	ESTs	9.50
	415323	BE269352	Hs.949	neutrophil cytosolic factor 2 (65kD, chr	9.50
	415169	L34657	Hs.78146	platelet/endothelial cell adhesion molec	9.45
	408360	AI806090	Hs.44344	hypothetical protein FLJ28534	9.45
30	423024	AA593731	Hs.325823	ESTs, Moderately similar to ALU5_HUMAN A	9.43
	434423	NM_006769	Hs.3844	LIM domain only 4	9.43
	437469	AW753112	Hs.15514	hypothetical protein MGC3260	9.43
	416078	AI034345	Hs.79005	protein tyrosine phosphatase, receptor 1	9.42
	410397	AF217517	Hs.63042	DKFZp564J157 protein	9.37
35	422603	BE242587	Hs.118651	hematopoietically expressed homeobox	9.37
	434524	AA635931	Hs.249716	ESTs	9.36
	422960	AW890487		cadherin 13, H-cadherin (heart)	9.35
	414774	X02419	Hs.77274	plasminogen activator, urokinase	9.32
	411960	R77776	Hs.18103	ESTs	9.30
40	428818	AI131291	Hs.102308	potassium inwardly-rectifying channel, s	9.28
	408161	AW952912	Hs.300383	hypothetical protein MGC3032	9.28
	441455	AJ271671	Hs.7854	zinc-finger regulated transporter-like	9.27
	433271	BE621697	Hs.14317	nuclear protein family A, member 3 (H	9.27
	436823	AW749865	Hs.117077	ESTs, Weakly similar to I38022 hypotheti	9.25
45	427968	AI857807	Hs.181301	cathepsin S	9.23
	420059	AF161486	Hs.94769	RAB23, member RAS oncogene family	9.23
	410730	AW368860		DnaJ (Hsp40) homolog, subfamily B, membe	9.23
	431958	X63629	Hs.2877	cadherin 3, type 1, P-cadherin (placenta	9.18
	417315	AI080042	Hs.180450	ribosomal protein S24	9.18
50	421098	AI697901	Hs.192425	ESTs	9.18
	422689	AW856685		gb:RC3-CT0297-290100-013-d03 CT0297 Homo	9.18
	433156	R59206	Hs.17519	Homo sapiens cDNA: FLJ22539 fis, clone H	9.17
	425248	AI085561	Hs.155321	serum response factor (c-fos serum respo	9.17
	440268	BE270030	Hs.336959	Homo sapiens, clone IMAGE3677185, mRNA	9.15
55	414821	M83835	Hs.77424	Fc fragment of IgG, high affinity Ia, re	9.14
	407254	AW129401	Hs.181165	eukaryotic translation elongation factor	9.13
	426689	BE245950	Hs.171825	basic helix-loop-helix domain containing	9.12
	420099	D80011	Hs.95140	KIAA0189 gene product	9.10
	424768	AA353895	Hs.152983	HUS1 (S. pombe) checkpoint homolog	9.08
60	441436	AW137772	Hs.185980	ESTs	9.08
	448019	AW947164	Hs.195641	ESTs, Moderately similar to I38022 hypot	9.08
	437686	BE264111	Hs.31314	retinoblastoma-binding protein 7	9.08
	430556	AW987807	Hs.13797	ESTs	9.07
	450147	AW373713	Hs.146324	CGI-145 protein	9.06
65	442806	AW294522	Hs.149991	ESTs	9.05
	431187	AW971146	Hs.293187	ESTs	9.05
	448971	AA807346	Hs.288581	Homo sapiens cDNA FLJ14296 fis, clone PL	9.03
	417018	M16038	Hs.80887	v-src-1 Yamaguchi sarcoma viral related	9.03
	422451	AA310753	Hs.42491	ESTs, Weakly similar to S65657 alpha-1C-	9.02
70	419839	U24577	Hs.93304	phospholipase A2, group VII (platelet-ac	9.00
	409493	AA386192	Hs.193482	Homo sapiens cDNA FLJ11903 fis, clone HE	8.99
	432314	AA533447	Hs.312989	ESTs	8.98
	414591	AI888490	Hs.55902	ESTs, Weakly similar to ALU8_HUMAN ALU S	8.95
	415925	Y18024	Hs.78877	inositol 1,4,5-trisphosphate 3-kinase B	8.94
75	429500	X78565	Hs.289114	hexabrachion (tenascin C, cytotactin)	8.93
	420337	AW295840	Hs.14555	Homo sapiens cDNA: FLJ21513 fis, clone C	8.90
	452679	Z42387	Hs.83883	transmembrane, prostate androgen induced	8.90
	437108	AA434054	Hs.80624	hypothetical protein MGC2560	8.89
	417226	AL134324	Hs.7312	ESTs	8.88
80	425593	AA278921	Hs.1908	proteoglycan 1, secretory granule	8.88
	422516	BE300330	Hs.118725	selenophosphate synthetase 2	8.88
	438880	AW052384		gb:U1-HF-BR0p-aka-f-12-0-U1r1 NIH_MGC_5	8.85
	429109	AL008637	Hs.196352	neutrophil cytosolic factor 4 (40kD)	8.85
	444933	NM_016245	Hs.12150	retinal short-chain dehydrogenase/reduct	8.85

	430592	AJ224864	Hs.9688	leukocyte membrane antigen(LRC1)	8.83
	445612	N94126	Hs.12969	hypothetical protein	8.80
	427254	AL121523	Hs.97774	ESTs	8.80
5	428970	BE276891	Hs.194691	retinoic acid induced 3	8.80
	426190	AW028302	Hs.155079	protein phosphatase 2, regulatory subunit	8.79
	430162	AW450843	Hs.346348	ESTs	8.76
	421684	BE281591	Hs.106768	hypothetical protein FLJ10511	8.73
	446659	AI335361	Hs.226376	ESTs	8.73
	447198	D61523	Hs.283435	ESTs	8.73
10	437457	AA757900	Hs.270823	ESTs, Weakly similar to S65657 alpha-1C-decay accelerating factor for complement	8.70
	401091			ESTs	8.68
	442832	AW206560	Hs.253569	ESTs	8.68
	442495	AI184717		ESTs	8.63
	428467	AK002121	Hs.184455	hypothetical protein FLJ11259	8.63
15	449924	W30681	Hs.146233	Homo sapiens cDNA: FLJ22130 fis, clone H	8.61
	447674	BE270640	Hs.19192	cyclin-dependent kinase 2	8.59
	426580	L11144	Hs.1907	galanin	8.55
	449656	AA002008	Hs.188633	ESTs	8.55
	412093	BE242691	Hs.14947	ESTs	8.54
20	407633	AW955632	Hs.66666	ESTs, Weakly similar to S19560 protein-r	8.54
	411979	X85134	Hs.72964	retinoblastoma-binding protein 5	8.53
	437134	AA349944	Hs.42915	ARP2 (actin-related protein 2, yeast) ho	8.51
	430333	S70114	Hs.239489	TIA1 cytotoxic granule-associated RNA-bi	8.45
	408996	AI979168	Hs.344096	glycoprotein (transmembrane) nmb	8.45
25	425284	AF155568		NS1-associated protein 1	8.45
	441623	AA315805		desmoglein 2	8.43
	442622	NM_000435	Hs.8546	Notch (Drosophila) homolog 3	8.42
	441021	AW578716	Hs.7844	H1 histone family, member 2	8.40
	446630	AW384793	Hs.15740	Homo sapiens mRNA; cDNA DKFZp434E033 (fr	8.40
30	417621	AV654694	Hs.82316	Interferon-induced, hepatitis C-associated	8.36
	433655	AL038659	Hs.3463	ribosomal protein S23	8.33
	449335	AW150717	Hs.345728	STAT induced STAT inhibitor 3	8.32
	446976	BE246446	Hs.16696	ubiquitin-activating enzyme E1-like	8.31
	436797	AA731491	Hs.334477	hypothetical protein MGC14879	8.30
35	414662	AL036058	Hs.76807	major histocompatibility complex, class	8.30
	414601	AV660804	Hs.301417	AHNK nucleoprotein (desmoyokin)	8.29
	406699	L06505	Hs.182979	ribosomal protein L12	8.28
	443884	N20617	Hs.194397	leptin receptor	8.28
	442821	BE391929	Hs.8752	transmembrane protein 4	8.26
40	418522	AA605038	Hs.7149	Homo sapiens cDNA: FLJ21950 fis, clone H	8.24
	435968	AW161481	Hs.111577	integral membrane protein 3	8.23
	440327	R12581	Hs.191146	ESTs	8.23
	409327	L41162	Hs.53563	collagen, type IX, alpha 3	8.22
45	435684	NM_001280	Hs.4980	LIM domain binding 2	8.16
	430299	W28673	Hs.105747	serine carboxypeptidase 1 precursor prot	8.15
	427523	BE242779	Hs.178526	upregulated by 1,25-dihydroxyvitamin D-3	8.14
	407151	H25836	Hs.301627	ESTs, Moderately similar to unknown [H.s	8.13
	448094	H24387	Hs.32061	ESTs, Weakly similar to I38022 hypotheti	8.10
	421395	D90084	Hs.1023	pyruvate dehydrogenase (liponamide) alpha	8.09
50	431574	AW572659	Hs.261373	hypothetical protein dJ434014.3	8.08
	412645	AW444433	Hs.136061	Homo sapiens, Similar to hypothetical pr	8.07
	423523	AW298828	Hs.193580	ESTs	8.03
	426759	AI590401	Hs.21213	ESTs	8.03
55	426780	BE242284	Hs.172199	adenylate cyclase 7	8.03
	426215	AW953419	Hs.156223	slaninocalcin 2	8.03
	435748	AA699756	Hs.117335	ESTs	8.00
	443351	AW018783	Hs.30799	Homo sapiens cDNA FLJ13471 fis, clone PL	8.00
	447500	AI381900	Hs.159212	ESTs	8.00
	407949	W21874	Hs.247057	ESTs, Weakly similar to 2109260A B cell	8.00
60	428728	NM_016625	Hs.191381	hypothetical protein	8.00
	434511	R28982	Hs.18106	ESTs	7.99
	411852	AA528140	Hs.107515	ESTs, Weakly similar to T00329 hypotheti	7.98
	424875	AI187945	Hs.199310	ESTs	7.95
	419378	R24922	Hs.90078	nucleotide-sugar transporter similar to	7.95
65	449523	NM_000679	Hs.54443	chemokine (C-C motif) receptor 5	7.93
	425277	NM_001241	Hs.155478	cyclin T2	7.91
	451831	NM_001674	Hs.460	activating transcription factor 3	7.90
	443303	U67319	Hs.9216	caspase 7, apoptosis-related cysteine pr	7.90
	407013	U35637	Hs.63870	gb:Human nebulin mRNA, partial cds	7.90
70	429999	AI761902	Hs.99597	ESTs	7.90
	445493	AI915771		metallothionein 1E (functional)	7.89
	413420	AW410235	Hs.75348	proteasome (prosome, macropain) activato	7.88
	422392	NM_005908	Hs.115945	mannosidase, beta A, lysosomal	7.85
75	453485	BE620712	Hs.33026	hypothetical protein PP2447	7.87
	434159	AW135214	Hs.191828	ESTs	7.85
	432666	AW204069		ESTs, Weakly similar to unnamed protein	7.83
	430915	AA488953		gbc:aa55e05.r1 NCL CGAP_GCB1 Homo sapiens	7.83
	425913	AA365799		SEC22, vesicle trafficking protein (S. c	7.80
	448776	BE302464	Hs.30057	MRS2 (S. cerevisiae)-like, magnesium hom	7.80
80	438763	AI583207	Hs.99029	CCAAT/enhancer binding protein (C/EBP),	7.79
	435905	AW957484	Hs.5003	KIAA0456 protein	7.78
	406663	U24883		immunoglobulin heavy constant mu	7.78
	427395	AW298741	Hs.97861	ESTs, Moderately similar to I38022 hypot	7.78

	446272	BE268912	Hs.14601	hematopoietic cell-specific Lyn substrat	7.76
	438962	BE046594		gb:hn41c11.x1 NCI_CGAP_RDF2 Homo sapiens	7.75
	434963	AW974957	Hs.288719	Homo sapiens cDNA FLJ12142 fis, clone MA	7.73
5	422900	AA641201	Hs.222051	ESTs	7.73
	432598	AJ341227	Hs.157108	ESTs	7.72
	449322	AI638616	Hs.196566	ESTs	7.71
	416987	D86957	Hs.80712	KIAA0202 protein	7.67
	410800	BE280421	Hs.94499	ESTs	7.67
10	416801	X98634	Hs.79971	sal (Drosophila)-like 2	7.67
	437442	T85104	Hs.222779	ESTs, Moderately similar to similar to N	7.65
	407137	T97307		gb:ye53h05.s1 Soares fetal liver spleen	7.65
	401466			vesicle-associated membrane protein 4	7.65
	406870	AA075144		gb:zm86f06.s1 Stralagene ovarian cancer	7.64
15	408558	AW015759	Hs.235709	Homo sapiens mRNA; cDNA DKFZp667B0711 (f	7.63
	457250	AA811987	Hs.125779	ESTs	7.63
	412949	AI471639	Hs.71913	ESTs	7.63
	406819	AA08472		gb:cg82a10.s1 NCI_CGAP_Ov8 Homo sapiens	7.62
	441612	AI802629	Hs.113560	Homo sapiens cDNA FLJ11631 fis, clone HE	7.62
20	414799	AI752416	Hs.77326	insulin-like growth factor binding prote	7.61
	435937	AA830893	Hs.119769	ESTs	7.60
	447197	R36075		gb:yh88b01.s1 Soares placenta Nb2HP Homo	7.60
	407719	AW963866	Hs.44021	Homo sapiens mRNA for FLJ00065 protein,	7.60
	417336	R70429	Hs.81988	disabled (Drosophila) homolog 2 (mitogen	7.58
25	418134	AA397769	Hs.86617	ESTs	7.55
	451812	X81888	Hs.152151	plekophillin 4	7.55
	412347	AW970026	Hs.73818	ubiquinol-cytochrome c reductase hinge p	7.54
	429083	Y09397	Hs.227817	BCL2-related protein A1	7.54
	414004	AA737033	Hs.7155	ESTs, Moderately similar to 2115357A TYK	7.52
30	423905	AW578960	Hs.135150	lung type-I cell membrane-associated gly	7.52
	407784	AW139585	Hs.12708	ESTs	7.52
	425762	BE244076	Hs.159578	AT-hook transcription factor AKNA	7.50
	418452	BE379749	Hs.85201	C-type (calcium dependent, carbohydrate-	7.50
	438459	T49300	Hs.35304	Homo sapiens cDNA FLJ13655 fis, clone PL	7.48
35	446013	AI360167	Hs.152774	ESTs	7.48
	429281	AA830856	Hs.29808	Homo sapiens cDNA: FLJ21122 fis, clone C	7.48
	415526	N76536	Hs.265591	ESTs, Weakly similar to ALU1_HUMAN ALU S	7.45
	417450	AA314435	Hs.17519	Homo sapiens cDNA: FLJ22539 fis, clone H	7.45
	431773	BE409442	Hs.268557	pleckstrin homology-like domain, family	7.44
40	447082	T85314	Hs.54829	thiorodocin-like	7.43
	441962	AW972542	Hs.289008	Homo sapiens cDNA: FLJ21814 fis, clone H	7.43
	429058	AF138863	Hs.35254	hypothetical protein FLB6421	7.43
	439971	W32474	Hs.301748	RAP2A, member of RAS oncogene family	7.43
	442233	AW967149	Hs.26439	ESTs, Weakly similar to 138022 hypotheti	7.43
45	436394	AA531187	Hs.126705	ESTs	7.39
	452248	AA093668	Hs.28578	muscleblind (Drosophila)-like	7.39
	446259	AI283476	Hs.263478	ESTs	7.38
	410570	AI133098	Hs.64593	ATP synthase, H transporting, mitochondr	7.37
	447484	AA464839	Hs.292566	hypothetical protein FLJ14697	7.36
50	435541	AA687361	Hs.221318	ESTs	7.35
	453932	AW008303	Hs.328286	ESTs, Weakly similar to (define not ava	7.35
	408067	BE244580	Hs.342307	hypothetical protein FLJ10330	7.35
	427307	AF117947	Hs.174795	PDZ domain-containing guanine nucleotide	7.35
	418336	BE179882		glutathione peroxidase 3 (plasma)	7.35
55	448877	AI583696	Hs.253313	ESTs	7.35
	443195	BE148235	Hs.193063	Homo sapiens cDNA FLJ14201 fis, clone NT	7.35
	444838	AV661860	Hs.208558	ESTs	7.33
	422693	BE300073	Hs.278860	tumor protein, translationally-controlled	7.31
	424677	U09414		zinc finger protein 137 (clone pHZ-30)	7.30
60	441878	AI801869	Hs.127982	ESTs	7.29
	406542			C19000728~gq12585552[sp]Q9Y2Q1[2257_HU	7.28
	408418	AW953897	Hs.44743	KIAA1435 protein	7.28
	425367	BE271188	Hs.155975	protein tyrosine phosphatase, receptor t	7.28
	442492	AA528489	Hs.234518	ribosomal protein L23	7.25
65	424541	AW392551	Hs.180559	ESTs, Weakly similar to A56194 thromboxa	7.25
	452852	AK001972	Hs.30822	hypothetical protein FLJ11110	7.25
	426501	AW043782	Hs.293616	ESTs	7.25
	411251	R19774	Hs.22835	HRGP protein	7.25
	444670	H58373	Hs.332938	hypothetical protein MGC5370	7.25
70	418117	AI922013	Hs.83496	linker for activation of T cells	7.24
	441384	AA447849	Hs.268680	Homo sapiens cDNA: FLJ22182 fis, clone H	7.24
	434817	AA082118	Hs.102737	gollieth protein	7.23
	419970	AW812022		ESTs	7.23
	432290	AK001089	Hs.274273	Homo sapiens cDNA FLJ10237 fis, clone HE	7.23
75	426647	AA243464	Hs.294101	pre-B-cell leukemia transcription factor	7.23
	433891	AA613792		gb:zo97h03.s1 NCI_CGAP_Pr2 Homo sapiens	7.21
	454038	X06374	Hs.37040	platelet-derived growth factor alpha pol	7.21
	430314	AA369601	Hs.239138	pre-B-cell colony-enhancing factor	7.20
	443247	BE614387	Hs.333893	c-Myc target JPO1	7.20
80	441224	AU076964	Hs.7753	calumenin	7.18
	447188	H65423	Hs.17631	hypothetical protein DKFZp434E2135	7.18
	447887	AA114050	Hs.19949	caspase 8, apoptosis-related cysteine pr	7.15
	447341	AF108941	Hs.18142	arrestin, beta 2	7.15
	408113	T82427	Hs.194101	Homo sapiens cDNA: FLJ20869 fis, clone A	7.14

	418896	AW959433	Hs.326290	hypothetical protein FLJ12581	7.14
	434699	AA643687	Hs.149425	Homo sapiens cDNA FLJ11980 fis, clone HE	7.13
	421633	AF121860	Hs.106260	sorting nexin 10	7.10
5	410668	BE379794	Hs.159651	hypothetical protein	7.09
	435812	AA700439	Hs.188490	ESTs	7.08
	414476	AA301867	Hs.76224	EGF-containing fibulin-like extracellular	7.08
	408331	NM_007240	Hs.44229	dual specificity phosphatase 12	7.08
	417165	R80137	Hs.302738	Homo sapiens cDNA: FLJ21425 fis, clone C	7.06
10	408605	AF025374	Hs.46465	T-cell, immune regulator 1	7.06
	416401	N80139	Hs.268916	ESTs	7.06
	415799	AA653718	Hs.225841	DKFZP434D193 protein	7.05
	416995	NM_004573		phospholipase C, beta 2	7.05
	414812	X72755	Hs.77367	monokine induced by gamma interferon	7.05
15	417535	AA203569	Hs.191482	ESTs	7.04
	449657	AJ990790	Hs.186614	ESTs	7.03
	429355	AW973253	Hs.292689	ESTs	7.03
	442460	NM_014135	Hs.8345	PRO0641 protein	7.03
	453187	A1161383	Hs.34549	ESTs, Highly similar to 594541 1 clone 4	7.03
20	430280	AA361258	Hs.237868	Interleukin 7 receptor	7.03
	426124	A1268389	Hs.250697	phosphatidylinositol glycan, class F	7.02
	442685	AB033017	Hs.8594	KIAA1191 protein	7.01
	433735	AA608955	Hs.109853	ESTs	7.00
	418003	X98001	Hs.78948	Rab geranylgeranyltransferase, beta subu	6.98
25	424415	NM_001975	Hs.146580	enolase 2, (gamma, neuronal)	6.95
	416655	AW988613	Hs.79428	BCL2/adenovirus E1B 19kD-interacting pro	6.95
	409956	AW103364	Hs.727	inhibin, beta A (activin A, activin AB a	6.95
	407136	T64896	Hs.287420	Homo sapiens cDNA FLJ11533 fis, clone HE	6.93
	425235	AA353113	Hs.112497	Homo sapiens cDNA: FLJ22743 fis, clone H	6.93
30	451853	W18193		ESTs, Moderately similar to HERC2 (H.sap	6.93
	439444	AJ277652	Hs.54578	ESTs, Weakly similar to t38022 hypotheti	6.93
	451838	AW005866	Hs.183969	ESTs	6.91
	436812	AW288057		gb:U1-H-BW0-ajp-g-09-O-ULs1 NCL_CGAP_Su	6.90
	443749	R38828	Hs.143463	ESTs	6.90
35	434584	D57341	Hs.188361	Homo sapiens cDNA FLJ12807 fis, clone NT	6.90
	427819	AA173942	Hs.326416	Homo sapiens mRNA: cDNA DKFZp564H1916 (f	6.90
	431840	AA534908	Hs.2860	POU domain, class 5, transcription facto	6.90
	435655	AW105663	Hs.6947	HSPC069 protein	6.90
	427640	AF058293	Hs.180015	D-dopa-chrome tautomerase	6.85
40	418259	AA215404		ESTs	6.85
	407244	M10014		fibrinogen, gamma polypeptide	6.85
	418832	X04011	Hs.88974	cytochrome b-245, beta polypeptide (chro	6.83
	441321	H17182	Hs.7771	B-cell associated protein	6.80
	433162	A1025842		ESTs	6.80
45	425410	AA310974	Hs.156828	Homo sapiens cDNA FLJ10522 fis, clone NT	6.80
	434372	AA631373		gb:npB6c01.s1 NCL_CGAP_Thy1 Homo sapiens	6.80
	456629	AW891965		histone deacetylase 3	6.78
	430283	BE391688		RAB7, member RAS oncogene family	6.77
	418300	A1433074	Hs.86682	Homo sapiens cDNA: FLJ21578 fis, clone C	6.76
50	406858	A1065720	Hs.29797	ribosomal protein L10	6.75
	429582	A1569068	Hs.22247	ESTs	6.75
	401113			solute carrier family 22 (organic cation	6.75
	449676	AW014631	Hs.225068	ESTs	6.75
	432588	X92715	Hs.3057	zinc finger protein 74 (Cos52)	6.72
55	417558	AF045229	Hs.82280	regulator of G-protein signalling 10	6.72
	430451	AA836472	Hs.297939	cathepsin B	6.72
	410503	AW975746	Hs.188662	KIAA1702 protein	6.70
	416882	A1347128	Hs.181870	ESTs	6.70
	410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 (Clona savignyl	6.70
60	414217	A1309298	Hs.279898	Homo sapiens cDNA: FLJ23166 fis, clone L	6.70
	457073	AA233210	Hs.179943	ribosomal protein L11	6.69
	442232	A1357813	Hs.337460	ESTs, Weakly similar to A47582 B-cell gr	6.68
	436137	A1066769	Hs.133512	ESTs	6.68
	425787	AA383867	Hs.155029	ESTs	6.67
65	437802	A1475995	Hs.122910	ESTs	6.65
	432636	AA340884	Hs.278562	claudin 7	6.65
	407340	AA810168	Hs.284289	vitellogen-associated protein VIT-1	6.65
	418036	Z37876	Hs.83337	latent transforming growth factor beta b	6.65
	423494	AW504365	Hs.24143	Wiskott-Aldrich syndrome protein Interac	6.63
70	441355	A1822034	Hs.137097	ESTs	6.63
	430968	AW972830		gb:E6T384925 MAGE resequences, MAGL Homo	6.63
	434651	BE367162	Hs.280858	ESTs, Highly similar to A36861 DNA excis	6.63
	447232	AW498934	Hs.327	interleukin 10 receptor, alpha	6.62
	422310	AA316622	Hs.98370	cytochrome P450, subfamily IIS, polypept	6.60
75	449217	AA278536	Hs.23262	ribonuclease, RNase A family, k6	6.60
	449057	AB037784	Hs.22941	KIAA1363 protein	6.60
	446979	A1654443	Hs.197683	ESTs	6.60
	452982	N38902	Hs.211539	hypothetical protein MGC4248	6.60
	424868	A1568170	Hs.96886	ESTs	6.59
80	409485	S80990	Hs.252136	ficollin (collagen/fibrinogen domain-cont	6.58
	451603	BE379499	Hs.173705	Homo sapiens cDNA: FLJ22050 fis, clone H	6.58
	426158	NM_001982	Hs.199067	v-erb-b2 avian erythroblastic leukemia v	6.58
	462472	AW957300	Hs.294142	ESTs, Weakly similar to C55863 oligodend	6.57
	450256	AA286887	Hs.24724	MFH-amplified sequences with leucine-ric	6.56

5	451589	AA424791	Hs.5734	meningioma expressed antigen 5 (hyaluron	6.55
	444207	AI585004		cathepsin D (lysosomal aspartyl protease	6.55
	418459	R05436	Hs.268814	ESTs	6.55
	427667	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 fis, clone NT	6.55
	406745	AW511970	Hs.279860	tumor protein, translationally-controlled	6.55
10	446173	BE565849	Hs.14158	copine III	6.53
	436566	BE545586	Hs.278712	Homo sapiens cDNA FLJ11074 fis, clone PL	6.53
	423825	NM_004402	Hs.133089	DNA fragmentation factor, 40 kD, beta po	6.53
	443441	AW291196	Hs.92195	ESTs	6.51
	428403	AI393048	Hs.326159	leucine rich repeat (in FLJ) interactin	6.50
15	431971	BE274907	Hs.77385	myosin, light polypeptide 6, alkali, smo	6.50
	450219	AI826999	Hs.224624	ESTs	6.50
	408896	AI610447	Hs.48778	niban protein	6.50
	442618	R56222	Hs.26514	ESTs	6.49
	422773	AB028962	Hs.301552	KIAA1039 protein	6.48
20	413663	BE247585	Hs.75462	BTG family, member 2	6.48
	418905	BE539674		actinin, alpha 4	6.48
	405086			NM_006662: Homo sapiens Snf2-related CBP	6.45
	448520	AB002367	Hs.21355	doublecortin and CaM kinase-like 1	6.45
	407284	AI539227	Hs.214039	hypothetical protein FLJ23556	6.45
25	447296	AW243614	Hs.18063	Homo sapiens cDNA FLJ10768 fis, clone NT	6.45
	443963	AA878183	Hs.17448	Homo sapiens cDNA FLJ13618 fis, clone PL	6.43
	426495	D31765	Hs.170114	KIAA0061 protein	6.43
	422303	AW410382	Hs.27556	hypothetical protein FLJ22405	6.42
	440119	AA865455	Hs.125331	ESTs, Moderately similar to unknown (Hs	6.41
30	451658	AW195351	Hs.250520	ESTs, Moderately similar to I38022 hypot	6.40
	435910	AF263538	Hs.66232	growth differentiation factor 3	6.38
	439979	AW600291	Hs.6823	hypothetical protein FLJ10430	6.38
	412220	BE350058	Hs.36787	chromodomain helicase DNA binding protei	6.38
	436716	AA33540		gb:tf69g05.x1 NCL CGAP_K1011 Homo sapien	6.38
35	413703	BE158360		gb:PM1-HT0383-131299-001-h08 HT0383 Homo	6.38
	413326	H08621	Hs.19762	ESTs, Weakly similar to KIAA1140 protein	6.38
	441970	AW959918	Hs.73737	ESTs	6.38
	430835	AI240006	Hs.192326	ESTs	6.38
	414890	BE281095	Hs.77573	uridine phosphorylase	6.37
40	418113	AI272141	Hs.83484	SRY (sex determining region Y)-box 4	6.37
	414768	AW376989	Hs.259855	elongation factor-2 kinase	6.36
	422340	AW296219	Hs.115325	RAB7, member RAS oncogene family-like 1	6.36
	407198	H91679		gb:yy04a07.s1 Soares fetal liver spleen	6.35
	432586	AA568548		ESTs	6.35
45	432729	AK000292	Hs.130732	hypothetical protein FLJ20285	6.35
	420012	AW957965	Hs.99014	Homo sapiens, clone IMAGE:3632168, mRNA	6.35
	432879	AW815932	Hs.173734	ESTs, Weakly similar to ALU1_HUMAN ALU S	6.35
	429732	U20158	Hs.2488	lymphocyte cytosolic protein 2 (SH2 doma	6.35
	415082	AA160000	Hs.137396	ESTs, Weakly similar to JC5238 galactosyl	6.35
50	437296	AA350994	Hs.20281	KIAA1700	6.35
	427747	AW411425	Hs.180555	serine/threonine kinase 12	6.33
	445873	AA250970	Hs.251946	poly(A)-binding protein, cytoplasmic 1-1	6.33
	410387	AI277367	Hs.47094	ESTs	6.33
	413677	AW503116	Hs.301819	zinc finger protein 146	6.31
55	418458	AA332941	Hs.85226	lipase A, lysosomal acid, cholesterol es	6.31
	443634	H73972	Hs.134460	ESTs	6.30
	409453	AI885516	Hs.96612	ESTs	6.29
	443035	Z45822	Hs.8906	Homo sapiens clone 24889 mRNA sequence	6.29
	432841	M93425	Hs.82	protein tyrosine phosphatase, non-recept	6.29
60	410532	T53088	Hs.155376	hemoglobin, beta	6.28
	428453	AB011110	Hs.184367	GTPase activating protein-like	6.27
	410597	W16518	Hs.279518	amyloid beta (A4) precursor-like protein	6.26
	458965	AA010319	Hs.60389	ESTs	6.25
	419926	AW900992	Hs.93798	DKFZP586D2223 protein	6.25
65	426797	AW936268	Hs.342848	ADP-ribosylation factor-like 5	6.25
	412528	AI123478	Hs.32112	ESTs	6.25
	410079	U94362	Hs.58589	glycogenin 2	6.25
	427477	AW973119	Hs.178391	ribosomal protein L44	6.24
	416297	AA157834	Hs.79172	solute carrier family 25 (mitochondrial	6.24
70	435961	BE293127	Hs.283722	GTT1 protein	6.23
	424030	X99699	Hs.139262	XIAP associated factor-1	6.23
	428311	NM_005651	Hs.183671	tryptophan 2,3-dioxygenase	6.23
	451061	AW291487	Hs.213859	ESTs, Weakly similar to KIAA1357 protein	6.23
	409731	AA125986	Hs.56145	thymosin, beta, identified in neuroblast	6.23
75	440129	AA865818		ESTs, Weakly similar to S71886 Sta20-lik	6.22
	428773	BE256238	Hs.193163	bridging integrator 1	6.20
	436372	AW972301	Hs.310286	ESTs	6.19
	440719	AA150869	Hs.26267	ATP-dependant interferon response protel	6.18
	406685	M18728		gb:Human nonspecific crossreacting antiq	6.18
80	421305	BE397354	Hs.324830	diphtheria toxin resistance protein requi	6.17
	450988	BE618571	Hs.429	ATP synthase, H transporting, mitochondr	6.16
	458659	AW749895	Hs.332520	Homo sapiens mRNA; cDNA DKFZp434A1014 (f	6.15
	406805	AW080535		ribosomal protein, large, P0	6.15
	420151	AA255931	Hs.186704	ESTs	6.14
	413441	AI929374	Hs.75387	Src-like-adaptor	6.13
	449317	AW293413	Hs.132905	19A24 protein	6.13
	421568	W85858	Hs.99804	ESTs	6.13

5	435919	AI052189	Hs.114104	ESTs	6.13
	417353	AA375752	Hs.348140	Homo sapiens mRNA; cDNA DKFZp686F1822 (f	6.13
	448946	AI652856	Hs.23363	hypothetical protein FLJ10983	6.13
	432415	T16971	Hs.289014	ESTs, Weakly similar to A43932 mucin 2 p	6.13
	406857	AA613726	Hs.29797	ribosomal protein L10	6.11
	417944	AU077196	Hs.82985	collagen, type V, alpha 2	6.11
	425096	AW014160	Hs.182585	KJAA1276 protein	6.10
	435756	AI418466	Hs.33665	ESTs	6.10
10	431155	AW971213		gb:EST383301 MAGE resequences, MAGI. Homo	6.10
	413813	M96956	Hs.75561	teratocarcinoma-derived growth factor 1	6.10
	451052	AA281504	Hs.24444	Homo sapiens cDNA: FLJ22165 fis, clone H	6.10
	450511	R07423	Hs.85092	thyroid hormone receptor interactor 11	6.08
	447832	AI433367		ESTs	6.08
	434421	AI915927	Hs.34771	ESTs	6.08
15	437438	AL359620	Hs.14217	hypothetical protein DKFZp762P2111	6.08
	449625	NM_014263		cdz (odd Oz/ten-m, Drosophila) homolog 1	6.08
	415912	H08859	Hs.206469	ESTs, Weakly similar to ALU6_HUMAN ALU S	6.07
	433339	AF019226	Hs.8036	glioblastoma overexpressed	6.06
20	435511	AA683336	Hs.189046	ESTs	6.06
	423458	AI204212		ESTs	6.06
	442379	NM_004613	Hs.8265	transglutaminase 2 (C polypeptide, prote	6.06
	457211	AW972585	Hs.32399	ESTs, Weakly similar to E51797 vasodilat	6.06
	444621	AA298065	Hs.11465	glutathione-S-transferase like, glutath	6.05
25	455263	AW961702		Homo sapiens cDNA FLJ14028 fis, clone HE	6.05
	432925	AA876324	Hs.264760	ESTs	6.05
	457752	AI821270	Hs.285643	Homo sapiens cDNA FLJ14354 fis, clone HE	6.05
	449810	AB008681	Hs.23994	activin A receptor, type IIB	6.04
	405797	AI432224		ribosomal protein L6	6.04
30	450157	AW961576	Hs.60178	ESTs	6.03
	422134	AW179019	Hs.112110	mitochondrial ribosomal protein L42	6.03
	407635	AW370213	Hs.295232	ESTs, Moderately similar to A46010 X-in	6.03
	453331	AI240655		ESTs	6.03
	430504	H52761		Homo sapiens, clone MGC:12617, mRNA, com	6.02
35	444708	AW971049	Hs.11774	protein (peptidyl-prolyl cis/trans isom	6.01
	409945	AW015935	Hs.122642	ESTs	6.00
	419641	BE170548	Hs.118190	Homo sapiens cDNA: FLJ21081 fis, clone C	6.00
	453785	AI368236	Hs.283732	ESTs, Moderately similar to ALU1_HUMAN A	6.00
	430367	AW372884	Hs.240770	nuclear cap binding protein subunit 2, 2	6.00

TABLE 52B

Pkey: Unique Eze probeset identifier number
 CAT number: Gene cluster number
 Accession: Genbank accession numbers

45	Pkey	CAT Number	Accession
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5	430968 444207	1237115_1 9172_3	
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75			
80			

	426534	U58096	Hs.2051	testis specific protein, Y-linked	44.05
	423458	AI204212		ESTs	35.60
	428664	AK001666	Hs.189095	similar to SALL1 (sal (Drosophila)-like	34.65
5	420367	AA259090	Hs.257028	ESTs	32.60
	451105	BE382701	Hs.25960	N-MYC oncogene	30.10
	437052	AA861697	Hs.120591	ESTs	29.35
	417407	AA923278	Hs.290905	ESTs, Weakly similar to protease [H.sapi	29.05
	420759	T11832	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	28.45
10	420347	AI033539	Hs.97124	Human DNA sequence from clone RP1-309H15	28.25
	407710	AW022727	Hs.23616	ESTs	26.86
	448981	AI968719	Hs.195387	ESTs	26.40
	429486	AF155827	Hs.203953	hypothetical protein FLJ10339	25.55
	420628	AF130728	Hs.98586	doublesex and mab-3 related transcriptio	25.10
15	425769	U72513	Hs.159486	Human RPL13-2 pseudogene mRNA, complete	23.70
	430252	AI638774	Hs.105328	testes development-related NYD-SP20	21.95
	454077	AC005952	Hs.37062	insulin-like 3 (Leydig cell)	21.73
	428227	AA321649	Hs.2248	small inducible cytokine subfamily B (Cy	20.15
	434649	AA738264	Hs.165360	ESTs, Highly similar to A40350 transcrip	19.65
20	424578	AK001973	Hs.150890	hypothetical protein	19.16
	427335	AA448542	Hs.251677	G antigen 7B	19.05
	438915	AA280174	Hs.285681	Williams-Beuren syndrome chromosome regi	18.95
	432938	T27013	Hs.3132	steroidogenic acute regulatory protein	18.86
	449322	AI638616	Hs.198566	ESTs	18.30
25	430591	C14187	Hs.157208	aristless-related homeobox protein ARX	18.00
	430676	AF084866		gb:Homo sapiens envelope protein RIC-3 (	17.96
	440119	AA855455	Hs.125331	ESTs, Moderately similar to unknown [Hs	17.41
	418756	AA252254	Hs.226949	ESTs	17.20
	410102	AW248508	Hs.279727	ESTs; homologue of PEM-3 [Ciona savignyi	16.20
30	447534	AW953935	Hs.286665	ESTs	16.04
	407122	H20276	Hs.31742	ESTs	15.95
	446979	AI654443	Hs.197683	ESTs	15.90
	406547			Target Exon	15.70
	427711	M31659	Hs.180408	solute carrier family 25 (mitochondrial	15.65
35	456847	AI380456	Hs.37776	ESTs	15.50
	448776	BE302464	Hs.30057	MRS2 (S. cerevisiae)-like, magnesium hom	15.00
	452291	AF015592	Hs.28853	CDC7 (cell division cycle 7, S. cerevisi	14.95
	408908	BE296227	Hs.250822	serine/threonine kinase 15	14.65
	418007	M13509	Hs.83169	matrix metalloproteinase 1 (interstitial	14.20
40	422828	AL133396		prion protein 2 (dublet)	14.03
	433330	AW207084	Hs.132816	hypothetical protein MGC14801	14.05
	410581	BE540255	Hs.6994	Homo sapiens cDNA: FLJ22044 fis, clone H	14.05
	427657	AK001279	Hs.180171	Homo sapiens cDNA FLJ10417 fis, clone NT	13.90
	418134	AA397769	Hs.86617	ESTs	13.85
45	454438	AA224053	Hs.172405	cell division cycle 22	13.70
	449032	AA045573	Hs.22900	nuclear factor (erythroid-derived 2)-lik	13.40
	426427	M86599	Hs.169840	TTK protein kinase	13.35
	437789	AI581344	Hs.127612	ESTs, Weakly similar to T17330 hypotheti	13.20
	419384	AA490866	Hs.39429	ESTs	13.10
50	418477	AW022983		gb:df46h12.y1 Morton Fetal Cochlea Homo	12.85
	453922	AF053306	Hs.36708	budding uninhibited by benzimidazoles 1	12.80
	447188	H65423	Hs.17631	hypothetical protein DKFZp434E2135	12.78
	430521	NM_016383	Hs.242183	HOM-TES-85 (tumor antigen)	12.72
	443068	AI188710		ESTs	12.65
55	437099	N77793	Hs.48659	ESTs, Highly similar to S1445B laminin a	12.60
	420401	AK001907	Hs.97464	hypothetical protein	12.50
	410361	BE391804	Hs.62681	guanylate binding protein 1, interferon-	12.50
	431494	AA991355	Hs.298312	hypothetical protein DKFZp434A1315	12.45
	405937	U14622		gb:Human transketolase-like protein gene	12.25
60	439451	AF086270	Hs.278554	heterochromatin-like protein 1	12.10
	404986			Target Exon	11.88
	424505	NM_002497	Hs.153704	NIMA (never in mitosis gene a)-related k	11.85
	444619	BE538082	Hs.8172	ESTs, Moderately similar to A46010 X-in	11.60
	434651	BE387162	Hs.280858	ESTs, Highly similar to A35661 DNA exci	11.55
65	421241	X91817	Hs.102866	transketolase-like 1	11.50
	414972	BE283782	Hs.77695	KJAA0008 gene product	11.45
	426886	U02330	Hs.172816	neuregulin 1	11.37
	433159	AB035898	Hs.150587	knosin-like protein 2	11.35
	433800	AI034381	Hs.135150	lung type-I cell membrane-associated gly	11.24
70	440207	AI371978	Hs.128326	ESTs	11.12
	407278	AI951118	Hs.326736	Homo sapiens breast cancer antigen NY-BR	11.10
	450142	AW207469	Hs.24485	chondroitin sulfate proteoglycan 6 (bana	11.05
	449576	AW014631	Hs.225068	ESTs	10.95
	414261	AL042306	Hs.97689	VASA protein	10.95
75	422856	BE545072	Hs.122579	ECT2 protein (Epithelial cell transforml	10.90
	436812	AW298067		gb:U1-H-BWO-gfp-g-09-0-U1.s1 NCI_CGAP_Su	10.85
	427521	AW973352		ESTs	10.81
	408728	AL137379	Hs.47125	hypothetical protein FLJ13912	10.80
	442632	AW206580	Hs.253569	ESTs	10.62
80	436889	AA764852		ESTs	10.60
	428949	AA442153	Hs.104744	hypothetical protein DKFZp434J0817	10.55
	409731	AA125995	Hs.58145	thymosin, beta, identified in neuroblast	10.45
	435206	AI432364	Hs.160594	ESTs	10.15
	433975	AA971953	Hs.122055	ESTs	10.10

5	446791	AI632278	Hs.195822	ESTs	10.05
	422232	D43945	Hs.113274	transcription factor EC	10.00
	420047	AI478658	Hs.94631	brefeldin A-inhibited guanine nucleotide	9.71
	434334	AA912476	Hs.116750	Homo sapiens cDNA FLJ13221 fis, clone NT	9.50
	423673	BE003054	Hs.1695	matrix metalloproteinase 12 (macrophage	9.44
10	438188	AA779975	Hs.128859	ESTs	9.30
	418973	AA233056	Hs.191518	ESTs	9.25
	413627	BE182082	Hs.246973	intron of Bicaudal D homolog 1	9.25
	422689	AW856665		gb:RC3-CT0297-290100-013-d03 CT0297 Homo	9.15
	436608	AA628980	Hs.192371	down syndrome critical region protein DS	9.11
15	434699	AA643687	Hs.148425	Homo sapiens cDNA FLJ11980 fis, clone HE	9.08
	426518	Z43039	Hs.170198	KIAA0009 gene product	9.05
	440968	N36327		gb:yx82b06.r1 Soares melanocyte 2NbHM Ho	9.05
	440952	AI291804	Hs.118101	ESTs	9.05
	427469	AA403084	Hs.269347	ESTs, Weakly similar to 2109260A B cell	9.05
20	442618	R56222	Hs.26514	ESTs	8.96
	419423	D26488	Hs.90315	KIAA0007 protein	8.96
	428153	AW513143	Hs.98367	SRF (sex determining region Y)-box 17 (S	8.80
	439979	AW600291	Hs.6823	hypothetical protein FLJ10430	8.76
	444971	AI651116	Hs.148659	ESTs	8.75
25	436513	AJ278110	Hs.126507	DEAD-box protein	8.60
	427486	AA974433		fibroblast growth factor 4 (heparin secr	8.59
	415857	AA866115	Hs.127797	Homo sapiens cDNA FLJ11381 fis, clone HE	8.58
	428847	AI954833	Hs.98881	ESTs	8.57
	408465	AW196940	Hs.253277	ESTs	8.54
30	443523	AK001575	Hs.9636	hypothetical protein FLJ10713	8.53
	440527	AV657117	Hs.184164	ESTs, Moderately similar to S65657 alpha	8.50
	439570	T79825	Hs.269165	ESTs, Weakly similar to ALU1_HUMAN ALU S	8.50
	450480	X82125	Hs.25040	zinc finger protein 239	8.50
	425266	J00077	Hs.155421	alpha-fetoprotein	8.50
35	453884	AA355825	Hs.36232	KIAA0186 gene product	8.42
	413318	AU076607	Hs.75285	Inter-alpha (globulin) inhibitor, H2 pol	8.35
	430835	AI240008	Hs.192326	ESTs	8.33
	416859	H43437	Hs.80305	hypothetical protein MGC14258	8.30
	423905	AW579960	Hs.135150	lung type-I cell membrane-associated gly	8.26
40	407340	AA810168	Hs.284289	villipo-associated protein VIT-1	8.25
	449260	AA741180	Hs.29879	ESTs	8.25
	430265	AK000703	Hs.323822	Homo sapiens mRNA for KIAA1561 protein,	8.18
	448844	AI561619	Hs.177164	FGENESH predicted novel cell surface pr	8.17
	431840	AA534908	Hs.2860	POU domain, class 5, transcription facto	8.14
45	428479	Y00272	Hs.334562	cell division cycle 2, G1 to S and G2 to	8.14
	426083	AW952712	Hs.126712	ESTs, Weakly similar to AF191020 1 E2IG5	8.03
	425572	AB011076	Hs.158307	undifferentiated embryonic cell transcri	7.98
	410420	AA224053	Hs.172405	cell division cycle 27	7.90
	453878	AW964440	Hs.19025	DC32	7.75
50	430287	AW182459	Hs.125759	ESTs, Weakly similar to LEU5_HUMAN LEUKE	7.66
	453913	AW004683	Hs.78934	mutS (E. coli) homolog 2 (colon cancer,	7.65
	421874	AA301270		gb:EST14152 Testis tumor Homo sapiens cD	7.65
	432840	AK001403	Hs.279521	hypothetical protein FLJ20530	7.65
	451950	AW292317	Hs.213307	ESTs	7.60
55	412265	AA101325	Hs.86154	hypothetical protein FLJ12457	7.59
	435614	AW592804		ESTs	7.55
	431041	AA490967	Hs.197965	KIAA0704 protein	7.55
	432415	T16971	Hs.289014	ESTs, Weakly similar to A43932 mucin 2 p	7.51
	418830	BE513731	Hs.88959	hypothetical protein MGC4816	7.38
60	409421	AA189883	Hs.67624	ESTs	7.35
	449433	AI672096	Hs.9012	ESTs, Weakly similar to S26650 DNA-blind	7.35
	458570	AW971698	Hs.12627	TJ6 protein	7.30
	441287	AW293132	Hs.131373	ESTs	7.30
	434609	R76593		gb:y80c11.r1 Soares placenta Nb2HP Homo	7.25
65	432239	X81334	Hs.2936	matrix metalloproteinase 13 (collagenase	7.25
	441425	AA933590	Hs.28937	homeobox protein from AL590528	7.25
	446293	AI420213	Hs.149722	LIM domain transcription factor LIM-1 (h	7.21
	414136	AA812434		SMC2 (structural maintenance of chromoso	7.20
	409089	NM_014781	Hs.50421	KIAA0203 gene product	7.19
70	422938	NM_001809	Hs.1594	centromere protein A (17kD)	7.18
	441421	AA356792	Hs.334824	hypothetical protein FLJ14825	7.15
	452226	AA024898	Hs.157103	ESTs	7.15
	435918	AF293538	Hs.86232	growth differentiation factor 3	7.14
	418661	NM_001849	Hs.1189	E2F transcription factor 3	7.10
75	436360	AI952758	Hs.156100	ESTs	7.10
	442950	AI500417	Hs.46764	ESTs	7.00
	415684	D59356		sorbitol dehydrogenase	7.00
	448336	R53848	Hs.44976	ESTs	7.00
	453183	AW086185	Hs.223856	ESTs	7.00
80	444434	NM_004849	Hs.11171	APG5 (autophagy 5, S. cerevisiae)-like	6.95
	422665	AJ011812	Hs.119018	transcription factor NRF	6.95
	437421	AA917052		ESTs	6.95
	428916	AF003001	Hs.194562	telomeric repeat binding factor (NIMA-in	6.94
	408045	AW138959	Hs.245123	ESTs	6.90
	448598	AI970278	Hs.156805	KIAA1676	6.89
	433764	AW753676	Hs.39982	zinc finger protein RINZF (NM_023929)	6.85
	439780	AL109588		gb:Homo sapiens mRNA full length insert	6.85

	449911	AI262106	Hs.12653	ESTs	6.85
	417791	AW965339	Hs.111471	ESTs	6.80
	424085	NM_002914	Hs.139226	replication factor C (activator 1) 2 (40	6.75
5	453160	AI263307		H2B histone family, member L	6.75
	453392	U23752	Hs.32964	SRY (sex determining region Y)-box 11	6.75
	425427	AI652662	Hs.157205	branched chain aminotransferase 1, cytos	6.73
	447254	NM_004153	Hs.17508	origin recognition complex, subunit 1 (y	6.70
	418379	AA218940	Hs.137616	fidgetin-like 1	6.70
10	407366	AF026942	Hs.17518	gb:Homo sapiens cig33 mRNA, partial sequ	6.70
	414618	AI204600	Hs.96978	hypothetical protein MGC10764	6.69
	417153	X57010	Hs.81343	collagen, type II, alpha 1 (primary oste	6.66
	428743	AL080060	Hs.301549	Homo sapiens mRNA; cDNA DKFZp564H172 (fr	6.65
	442717	R88362	Hs.180591	ESTs, Weakly similar to T23976 hypotheti	6.65
	433247	AB040848	Hs.142858	KIAA1515 protein	6.65
15	430647	AC003682	Hs.127988	ESTs, Weakly similar to Z211_HUMAN ZINC	6.65
	417886	AA214564		ESTs	6.64
	432169	Y00971	Hs.2910	phosphoribosyl pyrophosphate synthetase	6.62
	412637	AL031778		nuclear transcription factor Y, alpha	6.61
20	426614	AA411925	Hs.301960	ESTs	6.67
	457465	AW301344	Hs.122908	DNA replication factor	6.52
	430253	AK001514	Hs.236844	hypothetical protein FLJ10552	6.50
	440601	AA906366		ESTs	6.50
	453116	AI276680	Hs.146086	ESTs	6.50
25	436909	AA907120		ESTs	6.50
	402199			Target Exon	6.50
	419556	U29615	Hs.91093	chitinase 1 (chitinase)	6.46
	421285	NM_000102	Hs.1363	cytochrome P450, subfamily XVII (steroid	6.41
	438494	AA908678	Hs.130183	ESTs	6.41
30	418592	X99226	Hs.284153	Fanconi anemia, complementation group A	6.40
	406758	NM_003586	Hs.47504	endonuclease 1	6.40
	442671	AI005668	Hs.130673	EST	6.40
	432281	AK001239	Hs.274263	hypothetical protein FLJ10377	6.38
	413833	Z15005	Hs.75573	centromere protein E (312kD)	6.35
35	424081	NM_006413	Hs.139120	ribonuclease P (30kD)	6.33
	441878	AI801869	Hs.127982	ESTs	6.31
	429120	AK001873	Hs.196530	hypothetical protein FLJ10811	6.31
	416221	Z45514	Hs.83775	DiGeorge syndrome gene D	6.30
	410166	AK001376	Hs.59346	hypothetical protein FLJ10514	6.30
40	421650	AA781795	Hs.122587	ESTs	6.30
	453932	AW006303	Hs.328296	ESTs, Weakly similar to (define not ava	6.28
	408291	AB023191	Hs.44131	KIAA0974 protein	6.26
	438180	AA808189	Hs.272151	ESTs	6.25
	412028	AA383618	Hs.73073	testis-specific ankyrin motif containing	6.25
45	427510	Z47542	Hs.179312	small nuclear RNA activating complex, po	6.20
	423642	AW452650	Hs.157148	hypothetical protein MGC13204	6.20
	416111	AA033813	Hs.79018	chromatin assembly factor 1, subunit A (	6.18
	407300	AA102816	Hs.120769	gbzn43e07.s1 Stratagene HeLa cell s3 93	6.12
	426223	AW977812	Hs.130391	ESTs	6.10
50	445038	AI636444	Hs.143917	dJ467N11.1 protein	6.10
	419197	N48921	Hs.27441	KIAA1615 protein	6.09
	453775	NM_002916	Hs.35120	replication factor C (activator 1) 4 (37	6.06
	436902	AW247145	Hs.192729	ESTs	6.05
	429228	AI563633		ESTs	5.99
55	457065	AI476318	Hs.192480	ESTs	5.90
	428572	AB037783	Hs.170623	hypothetical protein FLJ11183	5.90
	448132	BE045641	Hs.197573	ESTs	5.90
	432359	AA076049	Hs.274415	Homo sapiens cDNA FLJ10229 fts, clone HE	5.89
	423728	AW891294	Hs.132136	scute carrier family 4, sodium bicarbon	5.85
60	457289	AW573204	Hs.137078	ESTs	5.85
	433849	BE465884	Hs.280728	ESTs	5.85
	412542	BE244598	Hs.809	hepatocyte growth factor (hepatocitin A;	5.85
	438450	AI050866	Hs.65863	nodal, mouse, homolog	5.81
	428301	AW628666	Hs.98440	ESTs, Weakly similar to I38022 hypotheti	5.80
65	408750	BE294069	Hs.93581	hypothetical protein FLJ10512	5.77
	415947	U04046	Hs.78934	mutS (E. coli) homolog 2 (colon cancer,	5.77
	408460	AA054726	Hs.285574	ESTs	5.75
	442481	AW062564	Hs.285833	Homo sapiens cDNA: FLJ22135 fts, clone H	5.75
	416747	AW876523	Hs.15929	hypothetical protein FLJ12910	5.75
	428249	AA130914	Hs.183291	zinc finger protein 268	5.74
70	419635	NM_005033	Hs.91728	polymyositis/scleroderma autoantigen 1 (	5.72
	402145			Target Exon	5.71
	447178	AW594641	Hs.192417	ESTs	5.70
	458614	AI496957	Hs.170861	ESTs, Weakly similar to Z195_HUMAN ZINC	5.65
75	442980	AA857025	Hs.88878	kinesin-like 1	5.65
	419131	AA406293	Hs.109528	ESTs	5.60
	450254	NM_004885	Hs.99231	neuropeptide G protein-coupled receptor;	5.60
	441627	AA947552	Hs.56086	branched chain aminotransferase 1, cytos	5.60
	440304	BE159984	Hs.125395	ESTs	5.60
80	440553	AA889416	Hs.344043	Homo sapiens cDNA FLJ14459 fts, clone HE	5.58
	442333	AI650877	Hs.129302	ESTs	5.58
	463941	U39817	Hs.36820	Bloom syndrome	5.57
	415789	AA653718	Hs.225841	DKFZP434D193 protein	5.57
	413623	AA825721	Hs.246973	intron of Blocaudal D homolog 1	5.55

5	427147	AA398587	Hs.97414	ESTs	5.55
	451050	AW937420		ESTs	5.55
	450113	AI683098	Hs.200866	ESTs, Moderately similar to ALU7_HUMAN A	5.54
	418678	NM_001327	Hs.167379	cancer/testis antigen (NY-ESO-1)	5.54
	437812	AI582291	Hs.16846	ESTs, Weakly similar to O4HUD1 debrisqu	5.53
10	431354	BED46956	Hs.251673	DNA (cytosine-5-)methyltransferase 3 b	5.51
	449592	AI655494	Hs.195718	ESTs	5.50
	445517	AF208655	Hs.12830	hypothetical protein	5.50
	416658	U03272	Hs.79432	fibrillin 2 (congenital contractual ara	5.48
	430044	AA464510	Hs.152812	ESTs	5.47
15	437036	AI571614	Hs.133022	ESTs	5.47
	423006	U29700	Hs.123014	anti-Mullerian hormone receptor, type II	5.46
	409103	AF251237	Hs.112208	XAGE-1 protein	5.45
	420900	AL045033	Hs.44269	ESTs	5.45
	437257	AI283085	Hs.290931	ESTs, Weakly similar to YFJ7_YEAST HYPOT	5.45
20	440738	AI004650	Hs.225574	WD repeat domain 9	5.45
	412723	AA048459	Hs.335951	hypothetical protein AF301222	5.45
	441122	H56777	Hs.121084	eppin-3	5.42
	414151	AW976468	Hs.257245	ESTs	5.40
	435663	AI023707	Hs.134273	ESTs	5.40
25	448986	H42169	Hs.347310	hypothetical protein FLJ14627	5.39
	433701	AW445023	Hs.15155	ESTs	5.39
	443486	NM_003428	Hs.9450	zinc finger protein 84 (HPF2)	5.35
	440842	AA907288	Hs.130173	ESTs	5.35
	432407	AA221036	Hs.13273	gb:zr03f12.r1 Strategene NT2 neuronal pr	5.34
30	401837			NM_025109:Homo sapiens hypothetical prot	5.32
	423739	AA398155	Hs.97600	ESTs	5.31
	424315	AW614850	Hs.193384	putative 28 kDa protein	5.31
	453900	AW003582	Hs.226414	ESTs, Weakly similar to ALU8_HUMAN ALU S	5.30
	415717	AA167270	Hs.130435	ESTs	5.30
35	428329	AA426091	Hs.98453	ESTs, Moderately similar to R27328 2 [h]	5.26
	427119	AW890562	Hs.272525	ESTs	5.25
	432117	AL036195	Hs.2909	protamine 1	5.24
	446837	AW273055	Hs.156598	ESTs	5.23
	442007	AA301116	Hs.142838	nucleolar phosphoprotein Nopp34	5.21
40	422797	AB033064	Hs.236463	KIAA1238 protein	5.19
	446258	AI283476	Hs.263478	ESTs	5.18
	445577	N40696	Hs.137064	cytoplasmic polyadenylation element bind	5.17
	445413	AA151342	Hs.12677	CGI-147 protein	5.17
	449670	F07693	Hs.86603	Homo sapiens mRNA; cDNA DKFZp434K2172 (f	5.16
45	436211	AK001581	Hs.334828	hypothetical protein FLJ10719; KIAA1794	5.15
	429629	BE501732	Hs.30622	Homo sapiens cDNA FLJ13010 fis, clone NT	5.15
	424235	NM_003181	Hs.143507	T brachyury (mouse) homolog	5.15
	448038	AW015073	Hs.232026	ESTs, Weakly similar to ROS2_HUMAN 52 KD	5.15
	430272	X04898	Hs.237658	apolipoprotein A-II	5.14
50	422094	AF129535	Hs.272027	F-box only protein 5	5.13
	420424	AB033036	Hs.97594	KIAA1210 protein	5.13
	447924	AI817226	Hs.313413	ESTs, Weakly similar to T23110 hypotheti	5.10
	422631	BE218919	Hs.118793	hypothetical protein FLJ10688	5.10
	453448	AL096710	Hs.209527	ESTs	5.10
55	438378	AW970529	Hs.86434	hypothetical protein FLJ21816	5.06
	418235	BE072634		gb:PM4-BT0548-171299-001-h08 BT0548 Homo	5.05
	427061	AW293165	Hs.143134	ESTs	5.05
	441553	AA281219	Hs.121296	ESTs	5.05
	429999	AI761902	Hs.99597	ESTs	5.04
60	426496	D31765	Hs.170114	KIAA0081 protein	5.02
	410929	H47233	Hs.30643	ESTs	5.01
	448757	AI368784	Hs.48820	TATA box binding protein (TBP)-associate	5.01
	457107	AA418246	Hs.185796	ESTs, Weakly similar to Z184_HUMAN ZINC	5.00
	408332	H91230	Hs.234794	Homo sapiens mRNA; cDNA DKFZp554B083 (fr	5.00
65	440138	AB033023	Hs.318127	hypothetical protein FLJ10201	5.00
	407568	AA740964	Hs.62699	ESTs	5.00
	409798	AA248587	Hs.30237	ESTs, Weakly similar to ALUB_HUMAN IIII	5.00
	431215	AA496078	Hs.121554	Human DNA sequence from clone RP11-218C1	5.00
	416350	AF188625	Hs.189507	phospholipase A2, group IID	4.99
70	452197	AW023596	Hs.232048	ESTs	4.98
	420333	AJ001383	Hs.97084	lymphocyte antigen 94 (mouse) homolog (a	4.97
	403780			C4001759:gi133250|sp|P19474|RC62_HUMAN	4.97
	418378	AW962081		gb:EST374154 MAGE resequences, MAGG Homo	4.95
	418894	W73921	Hs.50743	ESTs	4.95
75	426623	AA382826	Hs.132793	ESTs	4.95
	443537	D13305	Hs.203	cholecystokinin B receptor	4.94
	414812	X72755	Hs.77367	monokine induced by gamma interferon	4.94
	453718	AA037675	Hs.152675	ESTs	4.90
	402299			Target Exon	4.90
80	411945	AL033527	Hs.92137	L-myc-2 protein (MYCL2)	4.89
	414034	U89277	Hs.305985	early development regulator 1 (homolog o	4.87
	409086	AA062980	Hs.66950	ESTs	4.85
	437496	AA452378	Hs.146658	Homo sapiens mRNA; cDNA DKFZp547J125 (fr	4.85
	416661	AA634543	Hs.79440	IGF-II mRNA-binding protein 3	4.85
	450375	AA009547		a disintegrin and metalloproteinase doma	4.85
	416201	AA467752	Hs.195161	ESTs	4.85
	420348	AL137385	Hs.97140	Homo sapiens mRNA; cDNA DKFZp434M1128 (f	4.84

5	423198	M81933	Hs.1634	cell division cycle 25A	4.82
	424687	J05070	Hs.151738	matrix metalloproteinase 9 (gelatinase B	4.81
	418971	AA380392	Hs.87113	ESTs	4.80
	411571	AA122393	Hs.70811	hypothetical protein FLJ20516	4.80
	409517	X90780		troponin I, cardiac	4.80
10	424322	AL157491	Hs.145211	Homo sapiens mRNA; cDNA DKFp434K1111 (f	4.80
	443169	AJ038687	Hs.133338	ESTs	4.80
	438624	AA889055	Hs.123468	ESTs	4.79
	442562	BE379584		dolichyl-diphosphooligosaccharide-prote	4.76
	412530	AA766268	Hs.266273	hypothetical protein FLJ13348	4.76
15	443715	AI583187	Hs.9700	cyclin E1	4.76
	423123	NM_012247	Hs.124027	SELENOPHOSPHATE SYNTHETASE; Human selen	4.75
	451105	A1761324		gb:w60b11.x1 NCI_CGAP_Co16 Homo sapiens	4.71
	444431	AW513324	Hs.42280	Homo sapiens, clone MGC:9010, mRNA, comp	4.71
	440591	AA431599	Hs.132799	hypothetical protein FLJ23451	4.71
20	424281	AA766243		gb:oa13b11.s1 NCI_CGAP_GCB1 Homo sapiens	4.70
	447175	AI365208	Hs.293606	ESTs	4.70
	408101	AW988504	Hs.123073	CDC2-related protein kinase 7	4.69
	430183	BE010038		gb:PM3-BN0176-100400-001-g04 BN0176 Homo	4.68
	416445	AL043004	Hs.79337	KIAA0135 protein	4.66
25	429652	AA766810	Hs.259290	ESTs	4.65
	426054	U12431	Hs.166109	ELAV (embryonic lethal, abnormal vision,	4.65
	418618	U66097	Hs.86724	GTP cyclohydrolase 1 (dopa-responsive dy	4.64
	445537	AJ245671	Hs.12844	EGF-like domain, multiple 6	4.62
	427298	AA400495		ESTs	4.62
30	412863	AA121673	Hs.59757	zinc finger protein 281	4.62
	448700	AW208257	Hs.156326	Human DNA sequence from clone RP11-145L2	4.61
	419839	U24577	Hs.93304	phospholipase A2, group VII (platelet-ac	4.60
	446751	AA786998	Hs.79126	Human DNA sequence from clone RP11-16L21	4.60
	432658	NM_000246	Hs.3075	MHC class II transactivator	4.60
35	434283	AW235341	Hs.58715	thiamine pyrophosphokinase	4.60
	437915	AI637993	Hs.202312	Homo sapiens clone N11 Ntera201 teratoca	4.60
	421830	AA789269	Hs.122509	ESTs, Weakly similar to dJ1018D12.3 [Hs	4.59
	440006	AK000617	Hs.6844	NALP2 protein; PYRIN-Containing APAF1-I	4.58
	450719	AI096837	Hs.21349	ESTs, Weakly similar to RB88_HUMAN RAS-R	4.58
40	431721	AB032996	Hs.268044	KIAA1170 protein	4.55
	423175	W27595	Hs.347310	hypothetical protein FLJ14627	4.55
	453529	AA036729	Hs.336639	ESTs	4.55
	416209	AA226776	Hs.79078	MAD2 (mitotic arrest deficient, yeast, h	4.55
	444366	BE065183		gb:RC1-BT0314-020200-012-c04 BT0314 Homo	4.55
45	428976	AL037824	Hs.194695	ras homolog gene family, member i	4.55
	449510	AI653154	Hs.328147	ESTs	4.55
	414725	AA769791		ring finger protein 21, Interferon-respo	4.54
	424153	AA461737	Hs.141495	MAGE-like 2	4.53
	414466	AA349211	Hs.76205	cytochrome P450, subfamily XIA (choleste	4.52
50	448966	AW372914	Hs.86149	phosphoinositol 3-phosphate-binding prot	4.50
	458443	AV647010	Hs.27	glycine dehydrogenase (decarboxylating;	4.48
	453289	AI188161	Hs.144627	ESTs	4.48
	433641	AF080229		gb:Human endogenous retrovirus K clone 1	4.45
	440195	N72847	Hs.125221	ESTs	4.45
55	452338	AW608920	Hs.29169	zinc finger protein 75 (D8C6)	4.45
	428855	AI435901	Hs.89563	nuclear cap binding protein subunit 1, 8	4.45
	418734	H81213	Hs.14825	ESTs, Weakly similar to KIAA1503 protein	4.45
	442240	AI791883	Hs.292719	ESTs	4.45
	421917	AB028943	Hs.109445	KIAA1020 protein	4.45
60	420949	AA934063	Hs.13836	ESTs, Weakly similar to I38022 hypotheti	4.44
	449676	AW380579	Hs.209657	ESTs	4.43
	433183	AF231338	Hs.222024	transcription factor BMAL2	4.40
	439314	AA382413	Hs.178144	ESTs	4.40
	425312	AA354940	Hs.145958	ESTs	4.39
65	427584	BE410293	Hs.178718	v-myb avian myeloblastosis viral oncogen	4.39
	430444	AW290421	Hs.121035	ESTs	4.35
	416773	AK000340	Hs.79828	hypothetical protein FLJ20333	4.36
	421010	AW974553	Hs.267124	ESTs, Weakly similar to ALU6_HUMAN ALU S	4.34
	418216	AA662240	Hs.283099	AF15q14 protein	4.32
70	450351	BE547267	Hs.59791	hypothetical protein MGC13183	4.32
	454073	AW206286	Hs.116727	ESTs	4.30
	417008	AW673605	Hs.80758	aspartyl-MRNA synthetase	4.30
	417576	AA393449	Hs.82285	phosphatibosylglycinamide formyltransfer	4.30
	448877	AI583696	Hs.253313	ESTs	4.28
75	421379	Y15221	Hs.103982	small inducible cytoline subfamily B (Cy	4.27
	411630	U42349	Hs.71119	Putative prostate cancer tumor suppresso	4.25
	430292	AK000634	Hs.238270	hypothetical protein FLJ20527	4.25
	427778	AA412323	Hs.105323	ESTs	4.25
	418768	T39310		gb:ya04a08.r2 Stralagene lung (937210) H	4.25
80	409268	AA625304		ESTs	4.25
	442010	AI032680	Hs.132213	ESTs	4.24
	452807	AA028933	Hs.162434	ESTs	4.23
	401435			C14000397*.g|7499898|pir|T33295 hypoth	4.23
	447519	U46268	Hs.339666	ESTs	4.21
	421307	BE539976	Hs.103305	Homo sapiens mRNA; cDNA DKFp43480425 (f	4.21
	424590	AW986399	Hs.46621	hypothetical protein FLJ20086	4.20
	453909	AW004045	Hs.203365	ESTs	4.20

	431126	AF085243	Hs.283619	zinc finger protein 236	4.20
	429628	H09604	Hs.13268	ESTs	4.20
	415989	AI267700		ESTs	4.20
5	421373	AA808229	Hs.46677	ESTs	4.20
	433979	AA620999		gb:ag03a08.s1 Soares_testis_NHT Homo sap	4.20
	408321	AW405882	Hs.44205	corstatin	4.19
	410193	AJ132592	Hs.59757	zinc finger protein 281	4.17
	430335	D80007	Hs.239499	KIAA0185 protein	4.17
10	408031	AA081395	Hs.42173	Homo sapiens cDNA FLJ10366 fis, clone NT	4.16
	438885	AI886558	Hs.184987	ESTs	4.15
	451578	NM_016323	Hs.26663	cyclin-E binding protein 1	4.15
	432446	AA542845	Hs.294088	GAJ protein	4.13
	445076	AI206868	Hs.154131	ESTs	4.11
15	420218	AW958037		ribosomal protein L4	4.10
	453828	AW243307	Hs.83937	hypothetical protein	4.10
	418459	R85436	Hs.268814	ESTs	4.10
	418866	T65754		gb:yc11c07.s1 Stratagene lung (937210) H	4.08
	440404	AIO15881	Hs.324527	mitochondrial ribosomal protein S5	4.06
20	426300	U15979	Hs.169228	delta-like homolog (Drosophila)	4.06
	446223	BE300091	Hs.119699	hypothetical protein FLJ12969	4.05
	429984	AL060102	Hs.227209	hypothetical protein FLJ21617	4.05
	449687	W68520		intermediate filament protein syncollin	4.05
	452109	AI526873	Hs.51164	hypothetical protein FLJ14909	4.05
25	401464			histone deacetylase 5	4.05
	444670	H58373	Hs.332938	hypothetical protein MGC5370	4.05
	415884	H22966	Hs.13471	ESTs	4.05
	442086	BE502147	Hs.128418	ESTs	4.04
	402098			ENSP00000217725*:Laminin alpha-1 chain p	4.02
30	404287			FGENESH predicted novel CUB-domain conta	4.01
	422756	AA441787	Hs.119689	glycoprotein hormones, alpha polypeptide	4.01
	449704	AK000733	Hs.23900	GTPase activating protein	4.00
	445685	AW778829		gb:hn88a05.x1 NCL_CGAP_Kid11 Homo sapien	4.00
	444379	N99035	Hs.30352	ESTs	4.00
35	435373	AW665638	Hs.117689	ESTs	4.00
	424557	AA343057	Hs.164588	ESTs, Moderately similar to neuronal thr	4.00
	413646	BE155042		gb:PM0-HT0349-101299-002-E04 HT0349 Homo	4.00
	418648	AW979223	Hs.292478	ESTs	4.00
	446074	AA078799	Hs.343103	hypothetical protein FLJ11896	4.00
40	447353	AJ375701	Hs.25884	ESTs	4.00
	410100	AA081636	Hs.271916	ESTs, Weakly similar to S41044 chromosom	4.00
	428856	AA436735	Hs.183171	hypothetical protein FLJ22002	4.00
	445140	AI650699	Hs.197913	ESTs, Weakly similar to GCP3 MOUSE SYNAP	4.00
	406367			NM_022357:Homo sapiens putative metallo	3.99
45	437834	AA769294		gb:nz36g03.s1 NCL_CGAP_GCB1 Homo sapiens	3.99
	453985	N44545	Hs.251865	ESTs	3.98
	408446	AW450669	Hs.45068	hypothetical protein DKFZp4341143	3.97
	408562	AJ436323	Hs.31141	roundabout (axon guidance receptor, Dros	3.97
	414713	BE465243	Hs.12664	ESTs	3.96
50	426067	AW664691	Hs.97053	ESTs	3.96
	456497	AW967968	Hs.123848	ESTs, Weakly similar to AF108460 1 ubinu	3.96
	454679	AW813110		gb:CM4-ST0189-051089-021-R05 ST0189 Homo	3.95
	451865	H43737	Hs.33186	ESTs, Weakly similar to unknown protein	3.95
	403137			NM_005381*:Homo sapiens nucleofin (NCL),	3.95
55	445730	AI624342	Hs.179082	ESTs	3.95
	451993	AA765776	Hs.122983	ESTs	3.95
	428819	AL136823	Hs.193914	KIAA0575 gene product	3.92
	433583	AJ817723	Hs.22578	hypothetical protein FLJ21832	3.91
	420812	AA716303	Hs.107369	ESTs	3.90
60	423806	AA331247	Hs.86617	ESTs	3.90
	437205	AL110232	Hs.278243	Homo sapiens mRNA; cDNA DKFZp564D2071 f	3.90
	449211	AJ922972	Hs.198073	ESTs	3.90
	409757	NM_001898	Hs.123114	cystatin SN	3.90
	436027	AI864053	Hs.39972	ESTs, Weakly similar to I38508 reverse t	3.89
65	432512	NM_003284	Hs.3017	transition protein 1 (during histone t	3.89
	440840	AW629666		ESTs, Weakly similar to S64054 hypotheti	3.88
	449099	AI629041	Hs.46908	ESTs	3.88
	408092	NM_007067	Hs.42650	ZW10 Interactor	3.85
	423909	AJ223183	Hs.135194	immunoglobulin superfamily, member 6	3.85
70	437162	AW005505	Hs.5464	thyroid hormone receptor coactivating pr	3.84
	424381	AA285249	Hs.146329	protein kinase Chk2(CHEK2)	3.83
	433023	AW864793		thrombospondin 1	3.82
	452571	W31518	Hs.34665	ESTs	3.81
	421413	AI826128	Hs.55209	ESTs, Weakly similar to A49364 59 protel	3.80
75	440953	AI683036	Hs.124135	Homo sapiens cDNA FLJ13051 fis, clone NT	3.80
	420697	AA827705	Hs.26605	ESTs	3.80
	407275	AI364186		gb:xq34h07.x1 NCL_CGAP_U14 Homo sapiens	3.80
	422789	AK001113	Hs.120842	hypothetical protein FLJ10251	3.80
	411856	H67899	Hs.4190	Homo sapiens cDNA: FLJ23269 fis, clone C	3.80
	449529	AI990559	Hs.232033	ESTs	3.80
80	447444	AK000318	Hs.18616	hypothetical protein FLJ20311	3.78
	444656	AI277924	Hs.145199	ESTs	3.77
	446674	W31178	Hs.154140	ovary-specific acidic protein	3.77
	415829	AW450198	Hs.163742	ESTs	3.76

	436188	AK001049	Hs.48712	hypothetical protein FLJ120736	3.75
	402178			C19001998:g|6453813|ref|NP_008926.2| b	3.75
	418179	X51630	Hs.1145	Wilms tumor 1	3.75
5	423545	AP000692	Hs.129781	chromosome 21 open reading frame 5	3.75
	429063	AW363845	Hs.322903	ESTs, Weakly similar to A46010 X-linked	3.75
	437440	AA846804		ESTs	3.75
	427366	AA685108	Hs.223806	TATA box binding protein (TBP)-associate	3.74
	438455	AA913381	Hs.20594	ESTs	3.73
10	418821	AA436002	Hs.183161	ESTs	3.73
	417918	AA209205	Hs.163754	hypothetical protein FLJ12606	3.73
	415912	H08859	Hs.206469	ESTs, Weakly similar to ALU6_HUMAN ALU S	3.71
	423020	AA383092	Hs.1608	replication protein A3 (14kD)	3.70
	408928	AL137183	Hs.57549	hypothetical protein dJ47384	3.70
15	414206	AW276887	Hs.46609	ESTs	3.70
	427761	AA412205	Hs.140996	ESTs	3.69
	428728	NM_016625	Hs.191381	hypothetical protein	3.68
	452631	AI188658	Hs.87496	ESTs	3.68
	427719	AI393122	Hs.134726	ESTs	3.68
20	431869	AA521136	Hs.190176	ESTs	3.67
	429830	AI537278	Hs.225841	DKFZP434D193 protein	3.67
	420297	AI628272	Hs.88323	ESTs, Weakly similar to ALU1_HUMAN ALU S	3.66
	421972	M18185	Hs.1454	gastric inhibitory polypeptide	3.66
	403433			NM_001622: Homo sapiens alpha-2-HS-glycop	3.66
25	456030	AA136106	Hs.184852	KIAA1553 protein	3.65
	402408			NM_030920: Homo sapiens hypothetical pro	3.65
	452387	AI680772	Hs.308094	trinucleotide repeat containing 12	3.65
	416508	R11499	Hs.189716	ESTs	3.65
	417553	L09180		trichohyalin	3.65
	408065	AW954272		gb:EST1366342 MAGE resequences, MAGC Homo	3.65
30	431077	AI659133	Hs.115660	hypothetical protein FLJ12810	3.64
	452451	N78223	Hs.108106	transcription factor	3.60
	437680	W31709	Hs.55304	ESTs	3.60
	420552	AK000492	Hs.98806	hypothetical protein	3.60
35	419926	AW900892	Hs.93796	DKFZP586D2223 protein	3.59
	420161	AI683089	Hs.120817	ESTs	3.59
	414747	U30872	Hs.77204	centromere protein F (350/400kD, mitotin	3.59
	449571	AW016812	Hs.200266	ESTs	3.56
	424727	AW580378	Hs.152519	hypothetical protein FLJ20674	3.55
40	441820	AA969119	Hs.143502	ESTs, Weakly similar to envelope protein	3.55
	423685	BE350494	Hs.48753	uveal autoantigen with coiled coil domai	3.55
	427532	AA442152	Hs.104744	hypothetical protein DKFZp434J0617	3.55
	437700	AA766060	Hs.301209	myeloid/lymphoid or mixed-lineage leukem	3.55
	438176	AW138970	Hs.122113	ESTs	3.55
45	453062	AW207538	Hs.61603	KIAA1677	3.55
	447064	AB002350	Hs.17262	KIAA0352 gene product	3.55
	430056	X97548	Hs.228059	KRAB-associated protein 1	3.54
	418049	AA211467		Homo sapiens, Similar to nuclear localiz	3.54
	434288	AW189075	Hs.116265	fibrillin3	3.54
50	439176	AI446444	Hs.190394	ESTs, Weakly similar to B28096 line-1 pr	3.52
	421350	AW301608	Hs.278188	ESTs, Moderately similar to I54374 gene	3.52
	413943	AW294416	Hs.144687	Homo sapiens cDNA FLJ12981 fs, clone NT	3.52
	412123	BE251328	Hs.73291	hypothetical protein FLJ10881	3.51
	430688	AW972830		gb:EST1384925 MAGE resequences, MAGL Homo	3.50
55	449467	AW205006	Hs.187042	ESTs	3.50
	405935			Target Exon	3.50
	429782	NM_005764	Hs.220689	Ras-GTPase-activating protein SH3-domain	3.50
	411027	AF072099	Hs.67846	leukocyte immunoglobulin-like receptor,	3.50
	412140	AA219681	Hs.73625	RAB6 interacting, kinasin-like (rab)kines	3.49
60	429183	AB014604	Hs.197955	KIAA0704 protein	3.49
	428878	AA436884	Hs.48926	ESTs	3.49
	418203	X54942	Hs.83758	CDC28 protein kinase 2	3.49
	435068	H16262	Hs.31415	ESTs	3.48
	442573	H93386	Hs.7557	branched chain aminotransferase 1, cytos	3.48
65	451065	AW295132	Hs.222231	ESTs, Weakly similar to granule cell mar	3.48
	419741	NM_007019	Hs.93002	ubiquitin carrier protein E2-C	3.48
	406542			C19000728:g|12585552|sp|Q9Y2Q1|Z257_HU	3.47
	422406	AF025441	Hs.116206	Ops-interacting protein 5	3.46
	402089			ENSP00000217725: Laminin alpha-1 chain p	3.45
70	418826	AK000375	Hs.88820	HDCMC26P protein	3.45
	424513	BE385964	Hs.149894	mitochondrial translational initiation f	3.45
	427617	D42063	Hs.199179	RAN binding protein 2	3.45
	428361	NM_015905	Hs.183858	transcriptional intermediary factor 1	3.45
	400288			NM_003292: Homo sapiens translocated prom	3.45
	443596	AW026048	Hs.134124	ESTs	3.45
75	442875	BE623003	Hs.23625	Homo sapiens clone TCCTA00142 mRNA sequ	3.45
	416031	T30290	Hs.107515	ESTs, Weakly similar to T00329 hypotheti	3.45
	435244	N77221	Hs.187824	ESTs	3.45
	423354	AB011130	Hs.127436	calcium channel, voltage-dependent, alph	3.45
80	453785	AI388236	Hs.283732	ESTs, Moderately similar to ALU1_HUMAN A	3.45
	420688	AI950339	Hs.40782	ESTs	3.44
	429467	NM_004477	Hs.203772	FSHD region gene 1	3.43
	448769	N66037	Hs.38173	ESTs	3.43
	423453	AW450737	Hs.128791	CGI-09 protein	3.41

	417705	AW134952	Hs.175220	hypothetical protein FLJ14541	3.41
	410252	AW821182	Hs.61418	microfibrillar-associated protein 1	3.41
	404068			Target Exon	3.40
5	401644			Target Exon	3.40
	422364	AF067800	Hs.115515	C-type (calcium dependant, carbohydrate-	3.40
	452907	BE256966	Hs.31652	ESTs, Moderately similar to 154374 gene	3.40
	420281	A1623693	Hs.323494	Predicted cation efflux pump	3.39
	452404	AW450675	Hs.212709	ESTs	3.39
10	452256	AK000933	Hs.28661	Homo sapiens cDNA FLJ10071 fs, clone HE	3.39
	420892	AW975076	Hs.172589	nuclear phosphoprotein similar to S. cer	3.39
	440606	A1628751		ESTs, Weakly similar to I38022 hypothesi	3.38
	425474	Z48054	Hs.158084	peroxisome receptor 1	3.37
	429714	BE561801	Hs.2484	T-cell leukemia/lymphoma 1A	3.37
15	446214	AK001322	Hs.14347	hypothetical protein FLJ10460	3.36
	434808	AF155108	Hs.256150	Homo sapiens, Similar to RIKEN cDNA 2810	3.36
	448789	BE539108	Hs.22051	hypothetical protein MGC15548	3.36
	421633	AF121880	Hs.106260	sorting nexin 10	3.36
	438192	A869065	Hs.293807	Homo sapiens AFG3L1 isoform 1 mRNA, part	3.36
20	436511	AA721252	Hs.291502	ESTs	3.35
	402680			Target Exon	3.35
	414598	AI094221	Hs.135150	lung type-I cell membrane-associated gly	3.35
	449477	A1552602	Hs.197043	ESTs	3.35
	413686	A1469213	Hs.71404	ESTs	3.35
25	401091			decay accelerating factor for complement	3.35
	418295	AW970043	Hs.238039	hypothetical protein FLJ11090	3.35
	433220	AI076192	Hs.131933	ESTs	3.34
	453200	AA033632	Hs.212433	ESTs	3.33
	427239	BE270447		ubiquitin carrier protein	3.33
30	418355	L42563	Hs.1165	ATPase, H7 transporting, nongastric, alp	3.33
	421535	AB002359	Hs.105478	phosphoribosylformylglycinamide synthase	3.31
	441243	A1767056	Hs.193002	ESTs	3.30
	440716	AW105245	Hs.146509	ESTs	3.30
	400587			C10000649:g[1]7296574[gb]AA51857.1 [AE	3.30
35	401148			Target Exon	3.30
	411752	AW236047	Hs.126497	ESTs	3.30
	433252	AB040957	Hs.151343	KIAA1524 protein	3.30
	434008	AA740878	Hs.112982	ESTs	3.30
	444665	BE613126	Hs.47783	B aggressive lymphoma gene	3.30
40	458067	AA393603	Hs.36752	protein kinase anchoring protein GKAP42	3.30
	410340	AW102833	Hs.112188	hypothetical protein FLJ13149	3.29
	452761	BE244742	Hs.30532	CGI-77 protein	3.29
	451418	BE387790	Hs.26369	hypothetical protein FLJ20287	3.29
	428323	NM_001849	Hs.2391	apical protein, Xenopus laevis-like	3.28
45	432809	AA565509	Hs.131703	ESTs	3.27
	449426	T92251	Hs.198882	ESTs	3.27
	425174	D87450	Hs.154978	KIAA0261 protein	3.25
	435159	AA668879	Hs.116649	ESTs	3.25
	446597	AK001334	Hs.15470	putative ring zinc finger protein NY-REN	3.25
50	411554	W22895	Hs.112360	prominin (mouse)-like 1	3.25
	447555	AI391662	Hs.160963	Homo sapiens, clone MGC:12318, mRNA, com	3.25
	426931	NM_003416	Hs.2076	zinc finger protein 7 (KIX 4, clone HF.1	3.25
	445093	AI207197		ESTs	3.25
	410275	U85658	Hs.61796	transcription factor AP-2 gamma (activat	3.24
55	424588	AFC05418	Hs.150595	cytochrome P450, subfamily XXVIA, polype	3.24
	453293	AA382267	Hs.10653	ESTs	3.24
	421954	AW163267	Hs.106469	suppressor of var1 (S.cerevisiae) 3-like	3.23
	430552	AA176374	Hs.243886	nuclear autoantigenic sperm protein (his	3.22
	411975	A1916058	Hs.144583	ESTs	3.22
60	448140	AF146761	Hs.20450	BCM-like membrane protein precursor	3.22
	403432			NM_001622:Homo sapiens alpha-2-HS-glycop	3.21
	436515	AJ278111	Hs.195292	putative tumor antigen	3.21
	456505	AA504595		ESTs	3.21
	427658	AA298760	Hs.180191	hypothetical protein FLJ14904	3.21
65	452794	A1192444	Hs.25892	ESTs, Weakly similar to I37355 epithelia	3.20
	427314	AB033024	Hs.175475	KIAA1198 protein	3.20
	424051	AL110203	Hs.138411	Homo sapiens mRNA; cDNA DKFZp586J1922 (f	3.20
	452028	AK001859	Hs.27595	hypothetical protein FLJ21142	3.20
	421002	AF116030	Hs.100932	transcription factor 17	3.20
70	422225	BE245852	Hs.118281	zinc finger protein 266	3.20
	437549	AA759149	Hs.128757	gb:ah70e03.s.1 Soares_Jesús_NHT Homo sap	3.20
	418524	AA300576	Hs.85769	acidic 82 kDa protein mRNA	3.20
	427642	R40761	Hs.9834	ESTs	3.20
	442765	BE567353	Hs.99480	ESTs	3.20
75	410048	W76487	Hs.343874	proline oxidase homolog	3.20
	412008	NM_001841	Hs.73037	cannabinoid receptor 2 (macrophage)	3.20
	423875	A1990509	Hs.131342	small inducible cytokine subfamily A (Cy	3.20
	453895	AA039843	Hs.61948	Homo sapiens, clone MGC:16466, mRNA, com	3.20
	424144	AA454033	Hs.41644	AKAP-associated sperm protein	3.19
80	428612	AA770001		ESTs	3.19
	422805	AA438989	Hs.121017	H2A histone family, member A	3.19
	444371	BE540274	Hs.239	forkhead box M1	3.18
	427528	AL077143	Hs.179565	mitochondrion maintenance deficient (S.	3.17
	451684	AF216751	Hs.26813	CDA14	3.17